Declassified E.O. 12356 Section 3.3/NND No. 785019

ACC 6/IA/PWU

10000/150/807
(A)

Declassified E.O. 12356 Section 3.3/NND No. 785019

10000/150/807
(A)

FUEL SUPPLY
NOV. 1943 - NOV. 1944

A

6/11A/PWU

FUEL

SUPPLY

6/19

Opened: 18-11-43

17-11-44

Declassified E.O. 12356 Section 3.3/NND No. 785019

6 | 18

Opened = 18-11-43

Closed = 17-11-44

10000 150 807

THIS FOLDER
CONTAINS PAPERS
FROM Nov. 1943
TO Nov. 1944
CATALOGUE-

Declassified E.O. 12356 Section 3.3/NND No. 785019

MINISTERO DELLE CORPORAZIONI

Direzione Generale del Lavoro e della Previdenza Sociale

Servizio del Lavoro

Declassified E.O. 12356 Section 3.3/NND No. 785019

Posizione del { Fascicolo .....
Sottofascicolo .....

Ord 135 - 14-9-42 - XX Roma, Tip. Mantellate (c. 3.000)

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

LGP/bs
Telephone 478805

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works & Utilities Sub-Commission
Electrical Section

17/11/44

References: 6/1/PWU

SUBJECT : RELEASE OF COAL

TO : SOCIETA ROMANA PER IL GAS
Via Ostiense, 84 -Rome
(Att.Ing. Conti)

1. Please arrange to release to the British Red Cross Society each week, until further notice the following

150 Kgs Coal.

2. The British Red Cross Society will arrange collection dates with you.

E.J.BARRY, Major R.E.
Deputy Chief Elect.Div.

4296

Declassified E.O. 12356 Section 3.3/NND No. 785019

Telephone 478805

LGP/bs

HEADQUARTERS ALLIED COMMISSION
APO 394
PUBLIC WORKS & UTILITIES SUB COMMISSION
Elmtrical Section

Reference:AC/6/1/PWU

14/11/44

SUBJECT: FUEL ROME POWER STATIONS

TO : AFHQ - Petroleum Section RAAC

1. Confirming telephone conversation Major Fagan - Major Price this am.

2. Please suspend shipment of:

Diesel Fuel Oil
Navy Special Fuel Oil

to the above Power Stations after the period 20 - 26 November until further notice from this Section of Public Works and Utilities Sub-Commission.

3. The stock on hand as at midnight 12-13 November 44 was :

Diesel Fuel Oil 1620 Tons.
Navy Special Fuel Oil 1570 Tons.

E.J.BARRY
Major C.E.
Act.Chief Elect.Div.

4295

Declassified E.O. 12356 Section 3.3/NND No. 785019

LGP/bs

Telephone 478805

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works & Utilities Sub-Commission
Electrical Section

13/11/44

Reference:AC/6/1/PWU

SUBJECT : TRANSFORMER OIL

TO : REGIONAL COMMISSIONER
LAZIO - UMBRIA REGION
(Engineering Division)

1. The information contained in your RA/ENG/702 dated 9 Nov.44 is noted with thanks.

2. The Electrical Section of this Sub-Commission is in possession of data of UNES Transformer Oil substitute, and other substitutes, but the situation is such that it is not necessary to resort to substitutes.

E.J.DAWNY, Major C.E.
Act.Chief Elect. Div.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Telephone 478805

LGP/bs

HEADQUARTERS ALLIED COMMISSION
APO 394
PUBLIC WORKS & UTILITIES SUB COMMISSION
Electrical Section

Reference:AC/6/1/PWU

11/11/44

SUBJECT: TRANSFORMER OIL

TO : C I P
Via dei Maroniti,40-Roma

1. Reference telephone conversation Dr.Veteri - Major Price this am.

2. Herewith in duplicate application for 300 Kgs. Transformer Oil from Societa per Distribuzione di Energia Elettrica Sardinia, which application, it is understood can be dealt with by you direct.

L.J.BAIRY
MAJOR C.E.
ACT.CHIEF ELECT.DIV.

ENCL. Application in duplicate.

4293

Declassified E.O. 12356 Section 3.3/NND No. 785019

COPY

LAZIO UMBRIA REGION

ROME 9 Nov. 44

TO : P.W.U. SUB COMM
ATT. MJR BARRY

SUBJECT: TRASFORMER OIL

FILE : R4/ENG/702 (to quote in reply)

While in Perugia last week I came across a report on the efficiency of a substitute for trasformer Oil.

I imagine the Electrical Division is quite aware of this substitute but I feel it should be brought to their attention under the present situation and circumstances.

A mixture of 50% Diesel Oil and 50% lubrificating Oil type SAE 10 has proved under laboratory tests to be a good working substitute for trasformer oil.

Electrical rigidity is

dried	5 mm Separation	80 KV
undried	5 mm Separation	40 KV

This report is available at UNES office Perugia

Signed LP Wade Brown

4292

Declassified E.O. 12356 Section 3.3/NND No. 785019

10 NOV Recd

HEADQUARTERS
ALLIED CONTROL COMMISSION FOR
SARDINIA

cc 6795

TO : Public Works & Utilities
Sub-Commission (att.Electric Board)

SUBYECT : Transformer oil.

REFERENCE : TPTM/1612.

Herewith is request for 300 Kilos of transformer oil, for three months allotment as request by Ditta Ing. S. Doneddu & C. of Porto Torres Sardinia.

For the Regional Commissioner

JOHN .H. NEWBY
Captain
Regional Office of
Transportation.

16/10/1944.

JHN/em.

Requested redirected to C.I.P. Roma as result of Dr. telephone conversation 11/11/44.

4291

Declassified E.O. 12356 Section 3.3/NND No. 785019

Telephone 478805

LCP/bs

HEADQUARTERS ALLIED COMMISSION
A.P.O.394
Public Works & Utilities Sub-Commission
Electrical Section

Reference: AC/6/1/PWU

5/11/44

SUBJECT:- P O L

TO :- C.I.P.
Via dei Maroniti 40-Roma

1. Herewith copy of letter dated 6 Oct. 44 from:-

ANGELO FRIGO
Montefiascone

2. Will you please make available from your nearest depot the P O L required.

E.J.BARRY
Major C.E.
Act.Chief Elect.Div.

ENCL. ANNEXE "A" (Copy of A.Frigo Letter)

4294

Declassified E.O. 12356 Section 3.3/NND No. 785019

ANGELO FRIGO

Produzione e distribuzione di Energia Elettrica

Sede MONTEFIASCONE

C.P.C. DI VITERBO N. 2677
TELEFONO N. 20

18 NOV 1944 C/EL. CCB

3.083

li 6 Ottobre 1944 19

SPETT.

AAI CENTRAL ELECTRICAL BOARD

HQ - AAI - CMF.

A seguito degli eventi bellici e del passaggio di truppe in queste zone le mie officine idroelettriche in numero di 3 hanno subito danni e tutte le scorte dei materiali esportati.-

Per potere rimettere in effecienza dette officine e per il loro funzionamento urge avere:

Olio lubrificante per alternatori, turbine e regolatori ..li 3'

Grasso giallo per detti " 0,50

Olio neutro per trasformatori " 5

che prego volermi assegnare.-

Con distinti saluti.-

O.K.

ALLIED COMMISSION
OFFICIAL
Capt Woodruff Phelps
Province of VITERBO

4289

Declassified E.O. 12356 Section 3.3/NND No. 785019

Telephone 478805

LXF/bs

HEADQUARTERS ALLIED COMMISSION
Public Works &Utilities Sub-Commission
Electrical Section
A.P.O. 394

3/11/44

Reference: AC/6/1/PWU

SUBJECT :- TRANSFORMER OIL

TO :- AFHQ Petroleum Section
RALC

1. Will you please make available during the month of December 1944

90 Tons of Transformer Oil

for :- TERNI, Societa per l'Industria e l'Elettricita
Via due Macelli 66 - Roma

F.J.BARRY
Major E.C.
Act.Chief Elect.Div.

Copy to CIP
Via del Tritone 181
Roma.

4288

Declassified E.O. 12356 Section 3.3/NND No. 785019

Telephone 478805

LMP/bs

1/11/44

MEMORANDUM

REFERENCE : ACC/6/1/PWU

SUBJECT : FUEL OIL REQUIREMENTS FOR POWER PLANTS

TO : TRANSPORTATION SUB-COMMISSION
(Att. Major RICHARDSON)

1. Attached hereto is a copy of our letter concerning the above, sent to the AFHQ PET.SEC.

E.J.BARRY
Major E.C.
Act.Chief Elect.Div.

Encl. Copy our letter dated 21/10/44

4287

Declassified E.O. 12356 Section 3.3/NND No. 785019

Full 6/1

C/EL 9/13

Pw 4 u 90

2 NOV Rec'd

APO. PETROLEUM SECTION
ROME ALLIED ARMS COMMAND

Tel:- ROME 478131

PET 30/A/5

) Nov. 44

SUBJECT: Capuana Thermal Electric Station, Naples.

C.G., P.B.S., APO 782, U. S. Army.

1. Please refer to our PET 30/A/5 dated 19 Sep. 44, in which it was requested that, due to the augmented load now carried by the Capuana Thermal Electric Plant, the monthly allocation of fuel for this station be raised from 1,000 tons of Navy Special per month to 1,600 tons.

2. A.C., F.T. & U. Sub-Commission, now advise that the plant is working to capacity and 2,600 tons of Navy Special will be required per month. May this amount please be made available.

J. Lyse L. Price Lt Col QMC
for Colonel
Petroleum Section

Copy to: A.C. Public Works & Utilities Sub-Commission, APO 394.

Major Price
2-11-44

HEADQUARTERS
2 NOV 1944
A. C. 42845

White

Declassified E.O. 12356 Section 3.3/NND No. 785019

89

Telephone 470205

LGF/ba

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
Electrical Section
APO 394

ACC/6/1/PWU

30 October 1944

SUBJECT:- Capuana Thermal Electric Plant

TO :- AFHQ Petroleum Section
Rome Allied Area Command

1. Further to this Sub Commission letter even number dated 16/10/44 the Steam Station of Capuana Naples is now working to full capacity and is using up to 2500 Tons of Navy Special per month.

2. Will you please therefore arrange that 2600 Tons of Navy Special per month be made available to the Societa Meridionale di Elettricita Naples until further notice.

3. For your information during the month of September the output at Capuana was 36,1780 Kwhs.

L.J.BARRY
Major C.E.
Act. Chief Elect.Div.

4285

Declassified E.O. 12356 Section 3.3/NND No. 785019

Telephone 478805

IGF/3A

30/10/44

MEMORANDUM

SUBJECT :- R.C. 7a.

TO :- TRANSPORTATION SUB COMMISSION
H.Q. ACC

FROM :- PUBLIC WORKS & UTILITIES SUB COMMISSION
Electrical Section

1. It has been brought to the notice of this sub commission that a number of the above waggons are being received into Rome Power Stations with their seals broken and there is a suggestion that the contents of the waggons have been interfered with.

2. It has been ascertained that all waggons are sealed and the contents checked before dispatch from the Naples instulation. It can only be assumed that the seals are broken etc. en route.

3. Will you please take up this question with the Railway authorities.

E.J.BARRY
MAJOR G.S.
Act.Chief Elect.Div.

Copy to AFHQ Petroleum Section
RAAC

4287

Declassified E.O. 12356 Section 3.3/NND No. 785019

DDTRecd
C/E L
Cas

P-W+ U 581

SUBJECT: - R.C.W's.

302BPSS/5

D.E.
Act. Chief Elect. Div. Hq A.C.C.

Our Letter
18.10.44

Reference your letter ACC/6/I/PWU all R.C.W's are sealed and checked before despatch from this InstallatioN.

Should any R.C.W.'s be received with the seals broken, the matter should be taken up with the Railway authorities.

HEADQUARTERS
26 OCT 1944
A. C. C.

In the Field.
24.IO.44

Capt, RASC.
O.C. 302 B.P.S.S. RASC.

1900

Declassified E.O. 12356 Section 3.3/NND No. 785019

(80)

Major Prior.

George:

Would appreciate it if air could be made available for this transfer.

R. Try Pet See. AFHQ

Spoke Maj Renton 20/10/44.
Hold for Tami bind.

Declassified E.O. 12356 Section 3.3/NND No. 785019

TRANSLATION

SOCIETA' ELETTRICA SARDA
Memorandum : Oil for transformers

The 3rd triphase transformer in S.Caterina Station 12.000 KVA - 5.000 - 70.000 ration, natural cooling type - is interely without insulating oil, lost during the bombings of May-June 1943. The Station is at present operating only with one unit and as there are 2 other transformers in operating condition, the 3rd transformer has not been installed in the out-door Sub-Station., but left inside the station.

The radiators are disembled and the nucleus is complete inside its own casing. To keep the transformer in proper condition the casing should be filled to the top of the core.

The quantity of oil needed for the complete filling ot the transformer is 12.500 Kg. while for the filling of the casing without radiators 8,500 Kg. would be needed.

Cagliari 13 September 1944

4282

SOCIETA' ELETTRICA SAR. A.

PROMEMORIA PER OLIO TRASFORMATORI

-------C-------

Nella Centrale di S.Caterina il 3° trasformatore trifase da 12.000 KVA. rapporto 5.000-70.000,del tipo a raffreddamento naturale,è completamente privo di olio isolante andato perduto a seguito dei bombardamenti del Maggio-Giugno 1943. Attualmente,poichè la Centrale funziona con un solo gruppo e poichè esistono altri 2 trasformatori in efficienza, il 3° trasformatore non è installato nella Sottostazione all'aperto ma trovasi nell'interno della Centrale.

I radiatori sono smontati ed il nucleo completo di avvolgimenti è dentro il proprio cassone,a cui sono stati chiusi con tappi in lamiera gli attacchi dei radiatori. Poichè il trasformatore trofasi in queste condizioni da più di un anno,per la sua buona conservazione occorrerebbe almeno il quantitativo di olio isolante necessario al riempimento del cassone senza radiatori e senza serbatoio.

Il quantitativo di olio per il completo riempimento del trasformatore è di Kg.12.500 mentre quello per il solo riempimento del cassone senza radiatori è di Kg.8.500.

Si richiede che venga fornita la ns/ Società almeno del quantitativo di Kg.8.500.

Cagliari 13 Settembre 1944

4281

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

TERNI SOCIETÀ PER L'INDUSTRIA E L

DIESEL - MOTORED VEHICLES

Type of vehicle	Licence N°	Power HP	Employment
- Diesel-motored vehicles already entitled to circulation			
Lancia " 3 Ro "	TR.4133	52	In service for repairing of Galleto station
Lancia " 3 Ro "	TR.4257	52	" " " " " Papigno "
- Diesel-motored vehicles still to be entitled to circulation			
Lancia " 3 Ro "	TR.4130	52	In service for repairing of Cervara and Terni Municipality Stations -
Lancia " 3 Ro "	TR.4077	52	
Bianchi	TR.2981	30	In service for repairing of Galleto station
Bianchi Miles	TR.3771	39	" " " " " Marmore "
Fiat 621	TR.4003	27	" " to carry Staff and materials

- ROUGH ESTIMATE OF FUEL CONSUMPTION

Average distance covered in one day by a truck - about 85 Km.

Average distance covered in one month by a truck - 80 km. x 30 = 2,400 Km.

Consumption : 4 km. per litre of Heavy Oil

Monthly consumption for each truck : $\frac{2,400 \text{ Km}}{4}$ = 600 litres

Monthly consumption for seven trucks : 600 litres x 7 = 4,200 litres

Roma July 21, 1944

Declassified E.O. 12356 Section 3.3/NND No. 785019

ETÀ PER L'INDUSTRIA E L'ELETTRICITÀ

SEL - MOTORED VEHICLES

Employment	Fuel consumption Heavy oil		Lubricant consumption Semi-dense oil	
	August	September	August	September
tion				
service for repairing of Galleto station				
" " " " Papigno "				
rculation				
In service for repairing of Cervara and Terni Municipality Stations -				
a service for repairing of Galleto station				
" " " " Marmore "				
" to carry Staff and materials				
bout 85 Km.				
80 km. x 30 = 2,400 Km.				
600 litres				
x 7 = 4,200 litres	lt. 4,200	4,200	lt. 210	210

TERNI
SOCIETÀ PER L'INDUSTRIA E L'ELETTRICITÀ

Declassified E.O. 12356 Section 3.3/NND No. 785019

Telephone 69051

IAP/bg

84

CONFIDENTIAL

ACC/6/1/Pt.U

24/10/44

SUBJECT :- COAL & LIGNITE FOR ROME POWER STATIONS.

TO :- Industry Sub-Commission
Coal Division

FROM :- Public Works & Utilities Sub-Commission
Electrical Section

1. Reference your ACC/IND/CB/48/22 dated 23 Oct.44.

2. It is noted that steps have been taken so that this Sub-Commission is now assured of an adequate supply of fuel for the two Rome Power Stations.

3. Regarding para 4 of your letter, it is, and has been, the policy of this Sub-Commission to exercise the strictest economy in the use of fuel at the power stations, and this question is subjected to close scrutiny. It is pointed out that the use of oil fuel has no connection with the consumption of coal, since the use of the oil fired boilers will enable us to bring into service additional plant which is now idle owing to the oil fired boilers being under repair.

E.J.DARBY
Major C.E.
Act.Chief Elect.Div.

24 Recd 099 (83)

HEADQUARTERS
ALLIED CONTROL COMMISSION
INDUSTRY SUB-COMMISSION
APO 394
Coal Division

CWO/ gv

Tel.478489

Date: 23 Oct.1944

Ref: ACC/IND/CD/48/22

Subject: Coal and Lignite for Rome Power Stations.

To: Public Works & Utilities Sub-Commission.

1. With reference your memorandum dated 22nd Oct.44, regarding the quantities of coal and lignite required at the two Rome Power Stations, we note with satisfaction that if it is not possible to supply the quantity of coal requested in your ACC/6/1/PWU dated 2 Oct., that lignite can be used instead, provided that sufficient coal is supplied for the pulverized coal burning furnaces.

2. In accordance with your new figures, we have increased bids for transportation for the lignite to a total of 500 tons per day for both the electric and Gas Works. From this figure, two wagons, approximately 30 tons of lignite are for the Gas Works, and the balance, 470 tons for the Electric Plants. In addition, we have bid on AFHQ for 150 tons a day of Sardinian coal. It is now understood that the supply of coal from Naples is being so organised to produce complete train loads every other day.

3. For your information, on completion of the coal berth Civitavecchia, the supply of coal would be organised through that port. It is hoped that shortly a further supply for stock purposes can be arranged through the port of Fiumicino.

4. Until such time as the supplies are now

Declassified E.O. 12356 Section 3.3/NND No. 785019

To: Public Works & Utilities Sub-Commission.

1. With reference your memorandum dated 22nd Oct.44, regarding the quantities of coal and lignite required at the two Rome Power Stations, we note with satisfaction that if it is not possible to supply the quantity of coal requested in your ACC/6/1/PWU dated 2 Oct., that lignite can be used instead, provided that sufficient coal is supplied for the pulverized coal burning furnaces.

2. In accordance with your new figures, we have increased bids for transportation for the lignite to a total of 500 tons per day for both the electric and Gas Works. From this figure, two wagons, approximately 30 tons of lignite are for the Gas Works, and the balance, 470 tons for the Electric Plants. In addition, we have bid on AFHQ for 150 tons a day of Sardinian coal. It is now understood that the supply of coal from Naples is being so organised to produce complete train loads every other day.

3. For your information, on completion of the coal berth Civitavecchia, the supply of coal would be organised through that port. It is hoped that shortly a further supply for stock purposes can be arranged through the port of Fiumicino.

4. Until such time as the supplies are regular and adequate, the need for the strictest economy in the use of fuel will be appreciated. In this connection we would be pleased to have information as to the proportion of oil fuel it is proposed to use, present state of oil fuel furnaces, and whether its use would reduce the consumption of coal.

W.S.VAUGHAN
Director
Industry Sub-Commission.

Copy to:
Economic Section
Transportation Sub-Commission
Coal Section, AFHQ.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

Telephone 409081

LGH/bs

MEMORANDUM

22/10/44

TO : INDUSTRY SUB COMMISSION
Coal Division

FROM: PUBLIC WORKS & UTILITIES SUB-COMMISSION
Electrical Section

ACC/6/1/PWU

1. Further to this Sub-Commission letter ACC/6/1/PWU dated 2 Oct. 44 to which was attached appendices. It is pointed out that the figures supplied you estimating the lignite and coal consumption at the Rome Power Plants are based on a 60/40 ratio lignite and coal. if it is not possible to provide in that order then the lignite and/or coal must be stepped up accordingly to provide the total that is 19282 Tons per month. At the same time bearing in mind that 4882 Tons of coal per month are necessary for the pulverised coal boilers. It will be seen, therefore, that for the both Power Plants the requirements are:-

	tons per month
for the pulverised coal boilers	4882.
" " lignite burning boilers	14400.
Giving the estimated total of all boilers working 100%.	19.282 tons per month assuming

2. It is realized that conditions govern the fuel being supplied in that order but if the above total is aimed at, sufficient stock will accumulate to take care of disruptions to the supply system.

E.J. BARRY
Major R.E.
Act.Chief Elect.Div.

4277

Declassified E.O. 12356 Section 3.3/NND No. 785019

Telephone 489081

LGP/bs

81

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
Electrical Section
APO 394

21/10/44

ACC/6/1/PRU

SUBJECT: FUEL OIL REQUIREMENTS ROME POWER PLANTS.

TO : AFHQ PETROLEUM SECTION
Rome Allied Area Command

1. Reference your PET 30/A/5 dated 18 Oct.44.

2. Your offer to be of service in bidding for Rail Cistern waggons is accepted gratefully. We shall, therefore, be glad if you will commence to bid on our behalf for the period

6th - 12 November 1944

inclusive and weekly thereafter. Please bid for 2 cars for Diesel Oil and 4 Cars for Navy Special daily until further notice.

E.J.BARRY
MAJOR G.E.
Act.Chief Elect.Div.

Lt. Maj. Richards
Transportation
Act. Chief

4276

Declassified E.O. 12356 Section 3.3/NND No. 785019

29 OCT Rec'd

AFHQ PETROLEUM SECTION
ROME ALLIED AREA COMMAND
Tel:- ROME 478191
PEP 30/A/5
19 Oct. 44

SUBJECT: Capuana Thermal Electric Plant, Naples.

C.C., P.B.S., APO 782, U. S. Army.
(Attn: POL Officer).

1. HQ. A.C.C. Public Works & Utilities Sub-Commission, Electrical Section, advise that the load on the Capuana Thermal Electric Station has been materially increased due to augmented Industrial load, etc., and the present estimated fuel consumption of 1000 tons per month of Navy Special is inadequate.

2. May this demand please be increased to 1600 tons per month of Navy Special fuel. Necesaary steps to alate this additional requirement are being taken by this Section.

H. B. EXLEY
Colonel
Petroleum Section

Copy to: HQ. A.C.C. Public Works & Utilities
Sub-Commission, Electrical Sec.,
APO 394.

4275

Declassified E.O. 12356 Section 3.3/NND No. 785019

20 OCT Recd

C/a.

HEADQUARTERS
ALLIED CONTROL COMMISSION
COMMERCE SUBCOMMISSION
Releases and Requirements Section
APO 394

BK/lp

19 October 1944

Ref.ACC/5083/Commerce

SUBJECT: Release of transformer Oil

TO : Public Works and Utilities Subcommission HQ ACC
(Attn.Maj.Price)

Further to this Subcommission's evenly referenced minute dated the 17th inst., please find attached copy of Signal N.1110 dated 11-10-44- from the Regional Commissioner-Southern Region, regarding release of 100 Q.tls of transformer Oil to Società Elettrica delle Calabrie, Catanzaro, vide MAT 10, dated 12-9-44 forwarded to you under cover of minute referred to above.

W.E.SCOTTEN
Major, M.I.S.
Acting Director
Commerce Subcommission

Incl.as above -

4274

Declassified E.O. 12356 Section 3.3/NND No. 785019

COPY OF CABLE

14 OCT 1944

To : A Rome Industry Sub-Commission HDQ ACC
Catanzaro zone from La Rosa

Classif.	Destination	from Province of	Number	Number of words	Date	Time
33°	Roma	Catanzaro	1110	47	11	13

ES/271/ ACC MAT 10 FOR ONE ZERO ZERO QUINTALS OF TRANSFORMER OIL CONSIGNEE SOCIETA' ELETTRICA DELLA CALABRIA CATANZARO SUBMITTED ON THE 12 SEPT 1944 WAS REQUESTED AS NORMAL PLEASE CONSIDER VRB URGENT

LA ROSA

R. 1105.10. -4/a 12/9/44
O.46.

427

Declassified E.O. 12356 Section 3.3/NND No. 785019

Telephone 4890

LGP/hp

98

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
Electrical Section
APO 394

ACC/6/1/PWU

18/10/44

SUBJECT : - ROW No. 590114

TO : - OC No 302 BPSS RASC

1. Reference is made to your letter on the above subject dated 5 Oct.1944.

2. It is difficult to explain the receipt of a full waggon at your depot and it can only be assumed that a mistake was made by the Italian civilian railway operators, over whom we have no control, however please delete this waggon and contents upon receipt of A.F.C. 1033.

3. It has been reported by the power station Carabiniere guards that 5 waggons have been received recently without seal and there is a suggestion that the contents of the waggons have been interfered with, therefore we shall be glad to have your confirmation that all tank waggons are sealed before dispatch. The 5 waggons concerned are numbered as follows:

No. 77593117
505608
913001
599671
521854

E.J. BARRY
Major C.E.
Act.Chief Fleet.Div.

4272

Declassified E.O. 12356 Section 3.3/NND No. 785019

8 OCT 1944 C/E2 ENG D/ C1609

SUBJECT: - RCW No 590114.

Lt-Col FINDLEY
A.C.E.A. Power Plant
R O M E

HQ Acc
PW x V SC
Maj D Price
Electrical Services

R.C.W. No 590114 despatched to you on 18 Sept 44 containing 3488 galls DERV has been received back at this Installation full, upon receipt therefore of the AFC 1033 this R.C.W. will be deleted.

HQ AMG 8 OCT 1944 REG

In the Field.
5 Oct 44

Lieut, RASC.
No 302 P.P.S.S. RASC.

Esther
Cpl
11 Oct

Ben Hobbs Rec

IV Engineering
Date recd 4 OCT - 9 1944
File N.
Action Lt Col Findlay
Mag

Declassified E.O. 12356 Section 3.3/NND No. 785019

TRANSLATION

TO:

Ing. Zamorani

When unloading the tank N° 77593117, which arrived on 14th October; having a capacity of 20.000 litres, we have observed that the Naptha level was about 30 centimetres lower than normal, and also that this same tank was without seal.

(Sgd) Morini Bruno
A.C.E.A. Employee

(200 litres)

(Sgd)Cecchinelli Amelio
Carabiniere Guard

505605
931001
599671
521454
} 16/01

Declassified E.O. 12356 Section 3.3/NND No. 785019

Sig. Zamorani
nell'effettuare lo scarico della cisterna
N° 77593117, giuntaci il 14 ottobre,
della capacità di 20.000 litri, è
stato osservato che il livello della
nafta era di circa 30 cm. più
basso del normale e la cisterna stes-
sa era sbollata.

Roma 14-10-44

Visto il carabiniere di servizio — Mormile Bruno

Tecchiulli Emilio

AZIENDA COMUNALE ELETTRICITÀ ED ACQUE

Roma 16 Ottobre 1944
ore 12,30

Giunte in data odierna provenienti da Napoli N. 4 cisterne nafta (Navy Special) contrassegnate con i seguenti numeri.

1) N. 505608 peso netto Kg 15300
2) " 931001 " " " 15700
3) " 599671 " " " 16500
4) " 521854 " " " 15700

I pesi relativi a ciascuna cisterna sono stati riscontrati alla pesa sul raccordo della Soc. Rom. Gas. ed immediatamente inoltrati nella Centrale Approvvigionamenti (A.C.E.A.) per lo scarico.
È da rilevare che tali cisterne sono arrivate con i tappi spiombati ed inoltre la 4ª ha una perdita dalla saldatura di un pezzo di lamiera sul cassone.
Riassunto quanto sopra, dichiariamo conforme a verità.

Si dichiara che i sottoscritti Ufficiali Inglesi e Americani addetti ai Servizi della Azienda suddetta, constatarono che la prima ~~che~~ cisterna giunta ~~giunse~~ giunta il 4269 segnata in questa scheda una perdita della mate-

Declassified E.O. 12356 Section 3.3/NND No. 785019

1) N° 503608 peso netto Kg 15300
2) " 931001 " " " 15700
3) " 599671 " " " 16500
4) " 521854 " " " 15700

I pesi relativi a ciascuna cisterna sono stati riscontrati alla pesa sul raccordo della Soc. Rom. Gas. ed immediatamente inoltrati nella Centrale Approvvigionamenti (A.C.E.A.) fu lo scrivente.
È da rilevare che tali cisterne sono arrivate con i tappi spiombati ed inoltre la 4ª ha una perdita dalla saldatura di un pezzo di lamiera sul cassone.
Riscontrato quanto sopra, dichiariamo conforme a Verità.

Si dichiara che i sottoscritti Ufficiale Giudiziario, e Assistente, unitamente ai testimoni sopra indicati, si sono recati in località Fiumicino, ove la prima ha sottoposto a sequestro giusta 4269 verbale la quarta cisterna sopra menzionata = Letto e firmato -

Roma, li 17.10.944.

I dichiaranti
Vigile Fedele L.
Rosa Antonio Ufficiale

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

DRAFT

This Office is not in possession of complete records previous to the control of the power stations Rome passing into the hands of ACC HQ., but it appears that the original demand for coal was estimated by RAAC which demand was placed on the necessary Sub-Commission ACC.

It is understood that the original demand was for 350 Tons of Coal per day sufficient included to built up a stock.

The Public Works and Utilities Sub-Commission (Electrical Section) took over the control of the Rome Power Stations about the middle of September and immediately investigated the coal stock position, this position called for an immediate revised estimate of coal requirements, due primarily to increased output of the plants and it is was necessary to submit new figures and a revised estimate which estimate was placed in the hands of Mining Divis on 2nd Oct.44 (see this Office letter ACC/6/1/4U copy attached).

It is pointed out however that although the original demand for coal was 350 Tons per day, during the month of August, an average of 334 Tons per day was received (See Appendix "A"), which did not allow for any increase demand on the plants or allow any stock to be accumulated.

During September the situation improved when an average of 683 Tons of Coal and Lignite per day were received (See Appendix "A"), which allowed a stock to be built up but for the 15 days of October the receipts fell to an average of 336 Tons of coal and lignite per day. As the average daily consumption at the plants is now 425 tons per day (See Appendix "B") we have been drawing from stocks at the rate of 79 tons per day or 1185 tons for the first 15 days in October so that the present situation is critical since we had only 2 3/4 days supply on hand on the 15th October.

17/10/44

R.A. Price Maj i/c RE

Declassified E.O. 12356 Section 3.3/NND No. 785019

Appendix "A"

COAL RECEIVED DURING AUGUST AND SEPTEMBER 1944

AUGUST	TONS.		SEPTEMBER	COAL	LIGNITE	TOTAL
1	215.64		1	35	273 -	308 Tons.
2	300.54		2	307	-- -	307 "
4	459.22		3	27	439 -	466 "
5	60.77		4	58	468 -	526 "
6	636.29		5	-	15 -	15 "
7	266.43		6	-	490 -	490 "
8	624.57		7	198	558 -	756 "
10	706.38		8	21	425 -	446 "
12	360.81		9	393	833 -	1226 "
13	524.05		10	73	143 -	216 "
14	893.67		11	145	761 -	906 "
15	113.60		12	213	223 -	436 "
16	97.88		13	159	314 -	473 "
17	183.64		14	49	430 -	479 "
18	290.36		15	239	640 -	879 "
19	372.76		16	--	-- -	-- "
20	170.93		17	109	83 -	192 "
21	195.07		18	342	113 -	455 "
22	690.74		19	35	116 -	151 "
23	96.20		20	--	272 -	272 "
25	99.33		21	167	302 -	469 "
26	541		22	117	-- -	117 "
27	325		23	261	-- -	261 "
28	266		24	131	-- -	131 "
29	866		25	154	-- -	154 "
30	332		26	52	347 -	399 "
31	931		27	--	-- -	-- "
			28	65	84 -	149 "
			29	30	240 -	270 "
10361 TONS.			30	--	460 -	460 "
						--
						20,509 Tons.

31) 10361 (334

* August - 334 Tons per day

30) 20509 (683

* September - 683 Tons per day

4267

Major Price

HEADQUARTERS
SOUTHERN REGION ALLIED CONTROL COMMISSION
APO 394, U. S. ARMY.

File

76

17 October 1944.

SUBJECT : Fuel Oil Capuano Plant.

TO : Headquarters, Allied Control Commission
Public Works & Utilities Sub-Commission
(Att. Lt. Col. W.M. Lapper).

1. On 10 August 1944 the second unit of Capuano was put into normal operation. Prior to that date any fuel oil consumed in that plant should be considered as being used for testing purposes. Since that date the plant has been used to carry peak loads on the system.

2. It is my opinion that the fuel oil consumed in the Capuano plant for testing purposes should not be charged to SOCIETA' MERIDIONALE DI ELETTRICITA'.

3. The following is the record of fuel consumption in Capuano for normal operation :

		Tons	KWH GENERATED	POUNDS OF FUEL PER KWH
August 10 - 31,	1944	1216	1.920.000	1,4
September	1944	2258	3.640.000	1,37

4. The estimate of fuel consumption for the next 3 months is as follows :

		TONS	KWH GENERATED	POUNDS OF FUEL PER KWH
October	1944	2500	4.000.000	1,37
November	1944	2500		

4266

Declassified E.O. 12356 Section 3.3/NND No. 785019

TO : Headquarters, Allied Control Commission
Public Works & Utilities Sub-Commission
(Att. Lt. Col. W.M. Lapper).

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		TONS	KWH GENERATED	POUNDS OF FUEL PER KWH
October	1944	2500	4.000.000	1,37
November	1944	2500	4.000.000	1,37
December	1944	2500	4.000.000	1,37

4265

5. It is requested that SOCIETA' MERIDIONALE DI ELETTRICITA' be advised of the cost of fuel consumed in normal operation of the Capuano plant in order that they may include such cost in their operating statements.

For the Regional Engineer :

R. A. RYAN
Capt. Spec. Res.

RAR/rb

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

17 OCT 1944

HEADQUARTERS
ALLIED CONTROL COMMISSION
COMMERCE SUB-COMMISSION
APO 394

ASB/hp

Ref. ACC/5083/Commerce/POL 6

16 October 1944

SUBJECT: Transformer Oils

TO : Public Works and Utilities S/C
(Attn. Major Price)

1. Conversation Maj.Price - Maj. Brereton refers.

2. Attached is original Pet.Sec. PET 30/C/4 of 11 October 1944, copies of our ACC/5083/(20 and 21)/ Commerce, of 12 October 1944 and replies thereto by Industry S/C and Public Works & Utilities Sub-Commission.

3. It is understood that all questions of transformer oils will be left for your investigation and decision in future.

W.P. EVANS
Colonel
Director
Commerce Sub-Commission

Copy to : Major Wood (Commerce S/C)
Pet.Sec. AFHQ,Rome Allied Area Command
CIP, Via del Tritone, 181 - Rome
CIP, Via Cesare Battisti - Naples.

4265

Declassified E.O. 12356 Section 3.3/NND No. 785019

280/INDUSTRY S.C.

HEADQUARTERS
11 OCT 1944
A. C. C.

AFHQ PETROLEUM SECTION
ROME ALLIED AREA COMMAND
Tel:- ROME 478131

FET 30/C/4

11 Oct. 44

SUBJECT: Allocation of Transformer Oil.

HQ. A.C.C. Industry Sub-Commission,
APO 394.

1. Soc. Metallurgica G. Corradini, Naples, requires 1800 Kg. of Transformer Oil to activate two 500 Kw. Transformers and three Automatic Switches. S.A. Tranvie Provinciali di Napoli, Naples, requires 6000 Kg. to fill Transformers at Capodichino.

2. C.I.P. has this material available and is authorized to make delivery on A.C.C. certification.

Perth Lt/c

Lumley Lt/c.

H. B. EYLES
Colonel
Petroleum Section

Copy to: C.I.P., Rome.

4264

Declassified E.O. 12356 Section 3.3/NND No. 785019

HEADQUARTERS
ALLIED CONTROL COMMISSION
COMMERCE SUB-COMMISSION
APO 394

ASB/hp

Ref. ACC/5083/N°21/Commerce

12 October 1944

SUBJECT: Transformer Oil - S.A. Tranvie Provinciali di Napoli.

TO : Public Works and Utilities Sub-Commission.

1. Below is an extract from Petroleum Section's PET 30/0/4 of 11 October 1944:

2. " S.A. Tranvie Provinciali di Napoli, Naples, requires 6,000 Kg. to fill transformers at Capodichino".

3. Will you please say if you authorise release of this quantity as necessary.

W.P. EVANS
Colonel
Director
Commerce Sub-Commission

4263

Declassified E.O. 12356 Section 3.3/NND No. 785019

HEADQUARTERS
ALLIED CONTROL COMMISSION
INDUSTRY SUB-COMMISSION
BUILDING MATERIALS DIVISION
APO 394

TGE/as

Tel. 432

Ref. ACC/5047/IND

14 OCT 1944 13 October 1944

SUBJECT: Corradini - Naples

TO : Commerce S/C

1. Your ACC/5089/N°20/Commerce of 12 Oct 44 refers.

2. The release of 1800 Kg. of Transformer Oil is approved by this sub-commission.

W. S. VAUGHAN
Director
Industry Sub-Commission

Copy to:
Economic Section
File 5570

4262

Declassified E.O. 12356 Section 3.3/NND No. 785019

- Telephone 489081

LGP/bs

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
Electrical Section
A.P.O. 394

15 OCT 1944

ACC/306/PWU 14/10/44

SUBJECT: TRANSFORMER OIL-S.A. TRANVIE PROVINCIALI DI NAPOLI

TO : COMMERCE SUB-COMMISSION

S-9

1. Reference your ACC/5083/No.21/Commerce dated 12 Oct.44.

2. Before authorising release of 6000 Kgs of transformer oil it will be necessary that this Sub-Commission be supplied with the following information:

a) No. of Sub.Stations involved.
b) Installed Capacity.
c) If for Transformer and/or oil immersed circuit breakers
d) For first filling or renewal.

3. For your information, there is a heavy demand on the stocks of transformer oil available.

E.J. BARRY
Major C.E.
Act.Chief Elect.Div.

4289

Declassified E.O. 12356 Section 3.3/NND No. 785019

Telephone 489081

LGP/bs

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
Electrical Section
APO 394

ACC/6/1/PWU

16/10/44

SUBJECT : - FUEL FOR AURELIA POWER PLANT

TO : - Industry Sub-Commission
Coal Division

1. There exists in Aurelia a power station which is privately owned and which was operated for the production of chemicals.

2. This power station was designed to use coal as fuel but it is thought that the station can be operated with lignite as fuel. In order that tests may be carried out it is necessary to have a supply of lignite on hand.

3. Will you please take the necessary action to have

350 Tons of Lignite

delivered to

Societa Prodotti Chimici Nazionali
Aurelia (Civitavecchia)

as soon as possible in order that this Sub-Commission may put the tests into effect.

4. Should the tests prove successful it is expected to operate generating sets of 2000 KW capacity.

E.J. Barry

E.J. BARRY
Major C.E.
Act.Chief Elect.Div.

Declassified E.O. 12356 Section 3.3/NND No. 785019

LGP/be

Telephone 489081

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
Electrical Section
APO 394

ACC/6/1/PAU

16/10/44

SUBJECT: CAPUANA THERMAL ELECTRIC PLANT NAPLES

TO : Petroleum Section
Adv.AFHQ
(Att. Lt.Col. King.)

1. Due to the increased industrial load in the Southern Region and other technical reasons, it has been found necessary to operate the above plant much more than it was originally estimated in which case the fuel consumption has increased.

2. Will you please take the necessary action to make available to the
Societa Meridionale di Elettricita
Naples
a total of 1600 Tons of Navy Special bunker oil per month until further notice.

E.J. BARRY
Major C.E.
Act.Chief Elect.Div.

4234

Declassified E.O. 12356 Section 3.3/NND No. 785019

ROMA

14 OCT 1944

122 CCO

Title 6 Draft with Sept

HEADQUARTERS
ALLIED CONTROL COMMISSION
Transportation Sub-Commission
APO 394

TEL:478704
Our Ref:Tn/S/26

14 October 1944

SUBJECT: Request for tonnage allocation for Italian ports, February 1945.

TO : Food S/C
Agriculture S/C
Industry S/C
Comforts S/C
Public Health S/C
Finance S/C
Public Works & Utilities S/C ✓

You are requested to submit to Transportation S/C, Shipments, Ports & Warehousing Section your estimated tonnage acceptances into Italian Mainland Ports for February 1945, broken down as follows:-

West Coast, Naples area
West Coast, Leghorn and North
East Coast, Bari Ports
East Coast, Ancona and North

Estimated acceptances for ROMA and VENICE should be shown separately.

If you have any queries or difficulties in preparing this information you should contact S/Cdr.E.Fernandes, Room 14, 6th Floor, Phone 478704.

As this information is required at AFHQ and AAI by 18th October, it is essential that it reach this section 4258 not later than 1200 hrs. on Monday, October 16th.

Major Price
Just rec'd Col Dil (Navy Special) 4
Diesel thru Naples to Rome.
Navy special for shaking screened plants
Leghorn & Ancona.

JFS

F.Fernandes
S/Cdr

F.H.A.GLANVILLE
Lt.Colonel
Shipments, Ports &
Warehousing Section

Copy to economic section

Declassified E.O. 12356 Section 3.3/NND No. 785019

ESTIMATED REQUIREMENTS FOR ONE YEAR. TONS

COMPANY	DIESEL OIL	BUNKER	D T E LIGHT	D T E HEAVY MEDIUM	UPPER CYLINDERS	VACUUM ARCTIC	GREASE	SEMIDENSO	REMARKS
VOLTURNO Naples	5000			14	48		5		Port of Naples.
CAPUANA Naples SME		30.000	8	28		3	24		Naples
S R E Rome			6	12			3	3	Civitavecchia
C[illegible]NI Rome				60			6		civitavecchia
A.G.E.A. Rome	10.000	12.000	60	12	40		4		Civitavecchia
U.N.E.S Rome.				16			4		Civitavecchia
LABERELLO Rome			8	8			4		Piombino
NORTHERN Italy	52.800	460.000	200	1676	432		1500	200	50% Genoa 50% Venice
EMERGENCY ~~nt~~	189000 ~~540.000~~	540 000 ~~189000~~	227	500	1350		203.5		50% Genoa 50% Venice
	~~665.00~~	~~682.000~~	~~233~~	~~2368~~	~~1540~~	3	~~1831.5~~	~~203~~	
			TRANSPORTATION ON ALL ITALY				20.000. Tons.		25% Naples 25% Civitavecchia 25% Genoa 25% Venice Lubricants for Hydro plants included

Copy to Col King AFHQ Pet Sec Sept 44

420

Declassified E.O. 12356 Section 3.3/NND No. 785019

ESTIMATED REQUIREMENTS FOR ONE YEAR. TONS

OIL	BUNKER	D T E LIGHT	DTE HEAVY MEDIUM	UPPER CYLINDERS	VACUUM AROTIC	GREASE	GEMINI ENSO	REMARKS
			14	48		5		Port of Naples.
	30.000	8	18		3	24		425 Naples
		6	12			3	3	Civitavecchia
			60			6		civitavecchia
	12.000	60	12	40		4		Civitavecchia
			16			4		Civitavecchia
		6	8			4		Piombino
	460.000	200	1676	432		1500	200	50% Genoa 50% Venice
?	540 000							
?	~~260,000~~	227	560	1350		2835		50% Genoa 50% Venice
	~~162 000~~	~~223~~	~~236~~	~~1540~~	~~3~~	~~1837.5~~	~~203~~	

TRANSFORMER OIL ALL ITALY 20.000. Tons.

25% Naples
25% Civitavecchia
25% Genoa
25% Venice

Lubricants for Hydro plants included.

Copy to Col King AFHQ Pet Sec Sept 44

Declassified E.O. 12356 Section 3.3/NND No. 785019

COAL REQUIRED PER MONTH

ASSUMING ALL BOILERS WORKING 100%

5 Boilers each producing 900 KW - 4500 KW.
8 " each producing 600 KW - 4800 KW.

9300 KW.

9300 at 15 hrs per day 139500 KWhs.
at 25 days per mo 3,487,500 KWhs.
at 1.4 Kgs per KWh 4882 tons per mo.

Sardinian coal for pulverising.

---

4 Boilers each producing 6000 KW. 24000 KW.
at 15 hrs per day 360000 KWhs.
at 25 days per mo. 9000000 KWhs.
at 1.6 Kgs per KWh 14,400 Tons per mo.

60% Lignite 8640 Tons.
40% Sardinian Coal 5760 "

14,400

Required Sardinian Coal 10642 Tons. per mo.
" Lignite 8640 " " "

Total KW. 33300
" KWhs per day 499500
" KWhs " mo. 12,487,500

S.R.E. 5 Boilers producing 900 KW each - 4,500 KW
8 " " 600 KW - 4,800 KW
Pulverised Sardinian Coal 9300

2 Boilers producing 6000 each - 12,000 KW
60/40 Lignite and Sardinian Coal

ACEA 2 Boilers producing 6000 each 4258 12000/33300

SARDINIAN COAL REQUIRED

SRE	For Pulverising	4882	Tons per month
	For mixing	2880	" " "
ACEA	For mixing	2880	" " "
		10642	" " "

LIGNITE REQUIRED

SRE	For mixing	4320	Tons per month
ACEA	" "	4320	" " "
		8640	" " "

Declassified E.O. 12356 Section 3.3/NND No. 785019

11 OCT Recd
099
CEB

CWO/SV

Coal Division

TO: Coal Section,
Adv. A.F.H.Q.
c/o M.R.S.
APO 400

Our Ref: ACC/IND/CD/8/152
Date : 10 October 1944

SUBJECT : Consumption of coal and lignite -
Rome Electric Stations.

1. The attached copies of letters from Public Works & Utilities Sub-Commission are in reply to our letter to them dated 29th Sept. Ref: ACC/IND/CD/48, copy of which is forwarded to you for information.

2. It appears to us that the low calorific value of both Sardinian coal and lignite, justify the increased demands.

3. Any further check on these figures would require the services of qualified combustion engineers.

4. We would be pleased if you would increase the quantity of coal to be supplied to these Works.

W.S. VAUGHAN
Director
Industry Sub-Commission.

425

Copy to:
Public Works Sub-Commission.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Telephon 489081

LGP/bs

(65)

ACC/6/1/PWU

HEADQUARTERS
ALLIED COMMISSION
Public Works & Utilities Sub-Commission
Electrical Section
A.P.O. 394

2nd Oct. 44

SUBJECT : CONSUMPTION OF COAL ROME ELECTRIC STATIONS

TO : INDUSTRY SUB-COMMISSION COAL DIVISION
HQ.ACC APO 394

1. Reference is made to your ACC/IND/CD/48 of the 29 Sept. 44.

2. It would appear that the original figures estimating the amount of coal required for the running of Rome Power Stations ~~were~~ based on coal having a high calorific value, i.e. 1 Kg. per KWh. and reports received indicated that this coal consumption was indeed a fact.

3. When this Sub-Commission took over the control of the Power Stations we were alarmed at the amount of coal used daily and the position was investigated, we attach hereto our engineers report which is self explanatory.

4. It will be seen from the attached report that an inaccuracy has occurred and that new figures must be submitted if the Power Stations are to continue functioning efficiently and satisfactory.

5. The attached appendix therefore indicates the amount of coal required monthly (assuming all boilers functioning) and we shall be glad if you will take immediate steps to have these amounts delivered to the respective stations in the order shown.

6. Please note that the better efficiency of the 6000 K boilers can be obtained by using a 60/40 mixture of Lignite and Sardinian Coal. This is the result of experiments carried out on the site.

425/

E.J. BARRY
Major C.E.
Dep.Chief Elect.Div.

Encl. Report
" Appendix

Declassified E.O. 12356 Section 3.3/NND No. 785019

TRANSLATION

1. The consumption of coal was not exactly calculated, but was estimated on a basis of KWh, considering 1 Kg x KWh (this datum is nearly exact for coal with 7500 cal. x 1 Kg. that is ; 16000 BTU x 1 Lb)

3. The consumption has been modified, the above 1 ; 1ratio having proved incorrect, but even the new datum has not been actually checked.

4. The amount of coal burnt has been estimated on the basis of the number of revolutions of the "Cortassa" (Feeding machine) which has been fitted with a revolution counter.
Every revolution of the "Cortassa" (one dash of the rev.counter) corresponds to 11,55 dm^3 of coal introduced into the boiler, supposing a layer 10 cm thick. Therefore if the layer were 18 cm thick, it is sufficient to multiply by 1,8. To obtain the volume of coal introduced in 24 hours, we multiply by the number of revolution, and then, to obtain the weight, by the specific weight in bulk (0,33), which is measured daily.

5. The coal begun to arrive after June 7th, it appeared -consequently to a control made after September 25th by cubing the fuel- that, instead of 2806 Tons, we had 634 Tons of lignite + 81 Tons of coal = 715 Tons, that is a shortage of 2091 Tons in 78 days (June 22 - August 31 - September 25) The difference is nearly 26,8 Tons/day, therefore in September we can calculate an increase of 24 days x 26,8 = 641,2 Tons.
Therefore the total consumption in September is Kg.3.944.700 with an output of 2.978.800 KWh, that is nearly 1,33 Kg of coal x 1 KWh.

Signed .....

2/10/44

HEADQUARTERS
ALLIED CONTROL COMMISSION
INDUSTRY SUB-COMMISSION
APO 394
Coal Division

Read CWO/GV 1864

TO : Public Works & Utilities Sub-Commission

Our Ref: ACC/Ind/CD/46/
Date : 29 Sept. 1944

SUBJECT : Consumption of Coal, Rome Electric Stations.

1. Since the occupation of Rome the supply and consumption of coal by the Electric Stations supplying power to the city, has been a subject of constent study specially during the period that the stations were under the control of A.A.I. Headquarters.

2. Owing to the difficulties of supply and transport of fuel, every effort was made to keep consumption of coal to the minimum and the figure of between 280/330 tons per day was agreed. It was anticipated that, after certain repairs and alterations, consumption would rise to a maximum 380 tons p.d. which it was stated, was the maximum that the stations could consume running on a conservative, safe and economic basis.

3. It was agreed that 450 tons per day composed of 150 tons Sardinian coal 300 tons of lignite be supplied ~~daily~~, and on this basis bids for the shipping and transportation from Naples to Rome of Sardinian coal were made. In addition the output of lignite from the mine or stockpile was balanced and bids for transport were made and arranged. The balance between 380 tons maximum consumption and 450 tons to be supplied was the purpose of building up a stockpile at both the A.G.E.A. and Romano Stations.

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Declassified E.O. 12356 Section 3.3/NND No. 785019

1. Since the occupation of Rome the supply and consumption of coal by the Electric Stations supplying power to the city, has been a subject of constant study especially during the period that the stations were under the control of A.A.I. Headquarters.

2. Owing to the difficulties of supply and transport of fuel, every effort was made to keep consumption of coal to the minimum and the figure of between 280/330 tons per day was agreed. It was anticipated that, after certain repairs and alterations, consumption would rise to a maximum 360 tons p.d. which it was stated, was the maximum that the stations could consume running on a conservative, safe and economic basis.

3. It was agreed that 450 tons per day composed of 150 tons Sardinian coal 300 tons of Lignite be supplied ~~daily~~, and on this basis bids for the shipping and transportation from Naples to Rome of Sardinian coal were made. In addition the output of Lignite from the mine or stockpile was balanced and bids for transport 4252 made and arranged. The balance between 300 tons maximum consumption and 450 tons to be supplied was the purpose of building up a stockpile at both the A.A.S.A. and Romana Stations.

4. Since control of the stations have been taken over by your Sub-Commission consumption of coal has risen to between 450/500 tons per day with the result that stockpile has been steadily reduced and no supplies are arranged to meet increased consumption. Based should such consumption continue at the present rate, time will shortly arrive when there is no fuel at the stations to meet it.

5. It would appear that the whole question of consumption of the stations should be carefully examined

May I please
peruse this and
[illegible] you see
[illegible] for the future 12 months
[illegible] accurate information
[illegible]

Declassified E.O. 12356 Section 3.3/NND No. 785019

end if it is found as a fact, that there is justification - which at the moment there does not appear to be - for these increases, then arrangements should be made with this Division for increase of supplies. It should be noted however that increased supplies are dependent on availability of the coal and shipping and particularly at this moment on obtaining permission from A.F.H.Q. to increase the quantity ~~to be transported~~ on the congested railway from Naples to Rome and some weeks will be necessary before it could be arranged.

6. From the above it will be appreciated that the present high rate of consumption should not be allowed to continue. It may be added that ~~present~~ storms have restricted present rate of delivery to much less than had been arranged, the average being something under 300 tons a day. With the advent of winter the delivery difficulties are likely to become worse.

C.W.OXLEY
Lt. Colonel
Coal Division
Industry Sub-Commission.

Copy to Economic Section.

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Declassified E.O. 12356 Section 3.3/NND No. 785019

(61)

ENERGY PRODUCED BY COAL FIRED POWER PLANTS NORTH OF A LINE
PISA FLORENCE PESARO

1939 census 37.928.000 KWhs per annum
unlikely that thermal plant has increased
but under war time conditions this total
would be increased by at least 600% (KWhs x 10^3)

Thermal plants coal fired located at

Milano	9207
Venezia	1197
Genova	1945
Torino	2286
Brescia	639
Fiume	22600
KWhs	37874 x 10^3

37.874.000 x 6 = 227.244.000 KWhs.
at 1Kg per KWh = 227.244 tons for northern area

Milan)
Genoa (
Torino)
Brescia) 84.462 Tons Port of Genoa
Venezia (
Fiume)
Venezia 7182 Tons port of Venezia
Fiume 135.600 Tons port of Fiume

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Capacity - Fuel and Diesel.

Fuel. 1968 Tons. Stock. 108 Tons Diesel. (Italian)
241 " (Allied. Diesel)

Diesel. 1827. " . Fuel 16. Tons.

Consumption

Diesel 20 Tons per day — 1 Engine.
" 40. " " " — 2. Engines

1968 Tons Navy Special. 349 Tons
1827 Tons. Diesel 16 Tons

180
139
31 9-

4248

Declassified E.O. 12356 Section 3.3/NND No. 785019

Capacity of Consumption Sea Side Generating Plants

Cork

Capacity - Coal and Lignite mixed.

S.R.E.	A.C.E.A.
5,000 Tons	5,000 Tons.
Present Stock as at 20/9/44. 2,311.	3,092.

Consumption about 350 Tons per day (This will increase, if as at present 100% Lignite is used in the large boilers.

N.B Capt. Lovell stated that all Canadian coal received was mixed by the Lubricated Fuel Boilers - a subsequent check with the engineers of S.R.E, it was discovered that the Lubricated Fuel Boilers can only burn coal taken from the stores at Cork and Dungarvan. This is important English as German coal.

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Coal — and — Lignite Did Autumn Aug 30th and Sept. 19th SRE & ACEA

Lignite	Coal
8204 Tons.	373 Tons.

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SRE

Firm supply of Sandstone load for 5 Rollers
Total 5000 KW.
5 used K.W.
for 24 hrs
Power House to be stated ~~total~~. Satis.

Firm w/o supply of S. coal for the other 12
Rollers - consumption 8 lo operate continuously
at 600 KW
4 Standby ——— 4,800 K.W.

---

2. Rollers - ratio 60/40. — 6,000 KW each.

TOTAL 12,000 KW.

AGEA

2 Rollers ratio 60/40 — 12,000 K.W.

Major Reeves

4246

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61

1939 Generation in 10^3 KWhs by Operating Companies in Regions

IX, X, XI, XII (North Italy)

	10^3 KWhrs. Hydro Gen.	Thermic Gen.
Societa' Edison (plus ex Cisalpina)	2,443,480	4,648 (steam-coal burning)
Societa' Adriatica di Elettricita' (plus ex Industriale S.Marco)	1,052,992 167,555	1,197 (steam-coal burning)
Societa' Idroelettrica Piemonte (SIP).....	722,201	--
Societa' Vizzola per Distribuzione di Energia Elettrica.....	644,541	4,126 (steam-oil burning)
Compagnia Imprese Elettriche Liguri CIELI	534,106	693 (steam-coal burning)
Azienda Municipale Milano	421,303	4,559 (steam-coal burning)
Societa' Anonima Orobia	346,117	--
Azienda Elettrica Municipale Torino	324,472	2,286 (steam-coal burning)
Societa' Elettrica Bresciana	283,270	639 (steam-coal burning)
Dinamo - Societa' Italiana per Imprese Elettriche	270,001	--
Industriale Trentina	196,621	--
Societa' Anonima Ovesticino	189,580	--
Azienda Elettrica Consorziale delle citta' di Bolzano e Merano	179,844	--
Societa' Emiliana di Esercizi Elettrici..	113,156	--
Societa' Piemonte Centrale di Elettricita'	107,419	--
Societa' Anonima Elettricita' Ponale	97,311	--

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	10^3 K/hrs. Hydro Gen.	Thermic Gen.
Consorzio Canale della Vittoria.....	51,169	--
Societa' Idroelettrica Comacina	46,541	--
Azienda Municipale di Verona	42,990	5 (Diesel)
Societa' Prealpina di Elettricita'	42,471	--
Consorzio Idroelettrico del Dezzo	36,391	--
Azienda Elettrica Crespi & C.	33,019	
Acquedotto De Ferraris Calliera Soc.An.....	29,429	--
Isorno - Soc.An. Costruz.Esorc.Impianti Idroelettrici	27,407	--
Anonima Elettrica Trevigiana	24,451	--
Societa' Elettrica della Venezia Giulia	23,193	--
Azienda Municipale di Fiume	--	22,621 (22,600 steam-coal burning) 21 Diesel)
Societa' Elettrica Valle di Susa	20,624	--
Societa' Anonima Costruzioni Idroelettriche (SACI)	19,397	--
Societa' Elettrica di Valle Camonica	18,074	--
Consorzio Bonifica Valtidone	17,295	--
Societa' Aldo Savio	15,706	--
Societa' Trentina di Elettricita'	13,071	--
Comune di Bressanone	12,440	--
Societa' Friulana di Elettricita'	12,369	--
Servizi Elettrici del Comune di Brescia ...	11,109	--
Esticino - Soc. Distribuzione Energia Elettrica	10,817	--

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	Hydro Gen. (10^3 KWhrs.)	Thermic Gen. (10^3 KWhrs.)
Societa' Anonima Bellunese per l'Industria Elettrica	10,694	--
Azienda Elettrica Impresa F.lli Nigris	9,857	--
Impresa Ravera Giuseppe	9,699	--
Societa' Elettrica Piacentina	9,327	--
Gnutti Battisti e F.lli - Officine Elettriche	9,298	--
Consorzio Medoaco.....	7,053	--
Idroelettrica Maurizio Sella	6,945	--
Consorzio Bonifica e Irrigazione Canale Lunense	6,757	--
Impresa Acque Manse'	6,310	--
Societa' Idroelettrica Colmeda	5,881	--
Soc.An.Forza elettr. Valleggio sul Mincio..	5,470	--
Umberto De Antoni	5,223	--
Societa' Bolognese di Elettricita'	5,219	--
P. Zanini e C.	4,533	--
Societa' Ing. Varzi & C.	4,433	--
Clos Tuonno - Consorzio Idroelettrico.....	4,191	--
Societa' Idroelettrica Pescia	4,180	--
Azienda Elettrica Malles - Venosta	3,906	--
Impianto Idroelettrico di S.Colombano	3,779	--
Centrali Elettriche Valle Vobbia	3,742	--
Consorzio Mazzucchelli	3,025	4243
Societa' Varesina per Imp. Elettriche	3,012	--
Societa' Elettrica F.lli Mazzolini	2,965	--
Societa' Elettrica di Campodolcino	2,779	--

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	10^3 KWhrs. Hydro Gen.	Thermic Gen.
Societa' Elettrica Romagnola	2,742	--
Societa' Verbanese di Elettricita'	2,540	--
Soc. An. l'Elettrica Ponte in Valtellina	2,528	--
Consorzio Cremonese	2,467	--
Societa' Elettrica Morbegno	2,356	--
Soc.An. Forze Elettriche Massaniga	2,180	--
Officine di Dobbiaco	2,103	--
Comune di Brunico	2,017	--
Societa' Elettrica di Valle Maria	1,999	--
Idroelettrica del Ronco	1,905	--
Societa' Centrali Elettriche Ortisei	1,669	--
Ditta Giuseppe Boemo	1,461	--
Societa' Elettrica Carnica	1,448	--
Comune di Parma	1,429	--
Elettrica Lazzaris - Societa' Anonima	1,419	--
Azienda Elettrica Cons. di Primiero	1,387	--
Consorzio Elettrico Ind. Storo	1,362	--
Officine Elettriche Genovesi (O.E.G.)	--	1,306 (steam-coal burning)
Comune di Udine	1,188	--
Comunale Auronzo	1,106	--
Societa' Elettrica di Gavardo	1,091	--
Idroelettrica Quarnese	1,020	--
Forza Luce Aosta	998	--
Consorzio Elettrico Taio Tassullo Nanno	983	--

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	10^3 KWhrs. Hydro Gen.	Thermic Gen.
Societa' Pinerolese di Elettricita'	964	--
Ing. Garrone e Machetti	931	--
Gian Mario Bozzalla fu Annibale	867	--
Societa' An. Imp. Idroelett. di Confienza	833	--
Impianto Elettrico Giuseppe Lupieri	806	--
Soc. An. Cooperativa Elettrica Thione	799	--
Idroelettrica Bovesana	798	--
Consorzio Elettrico Industriale Stenico	720	--
Comune di Vercelli	684	--
Societa' Elettrica Valdaora	663	--
Consorzio Idroelettrico Alta Novella	662	--
Societa' An. Idroelettrica Valcuviana	613	--
Torrielli Pietro Azienda Elettrica	597	--
Vaninetti Attilio	570	--
Alto Isonzo	543	--
Municipale di Sondrio	515	--
Idroelettrica Alto Silla	491	--
Soc. An. Elettrica Valgardena	462	--
Soc. Colleoni e Ambrosioni	446	--
Soc. An. Coop. Elettrica Arizzano	434	--
Idroelettrica Bocci, Frassinetti & C. S.A. ...	433	--
Societa' Elettrica Pinetana	432	--
Azienda Elettrica Comunale Tires.....	431	--
Ditta F.lli Di Lenarda	394	--
Soc.An.Valle del Piova per l'Illuminaz.Elett.	392	--
		...

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	10^3 KWhrs. Hydro Gen.	Thermic Gen.
Cooperativa di Elettricita' del Ledrut.....	390	--
Azienda Elettrica Municipale di Campo Tures ...	388	--
Municipale Cattinara	377	--
Interprovinciale Elettrica Verona	365	--
Societa' Anonima Idroelettrica del Tul	358	--
Azienda Elettrica Comunale di Male'	332	--
Societa' Officine Elettriche di Calizzano (O.E.C.)	244	--
Officina Elettrica Industriale Alta Rendena....	243	--
Azienda Elettrica Comunale di Tesero.....	242	--
Soc.An. Elettr. Villa Bianzone	236	--
Pellarin Teresa, Luisa Caterina (Sorelle)	198	--
Officina Elettrica Giovanni Sclabi e Fratello .	192	--
Societa' Elettrica Lovaria, Vidoni e C.	184	--
Soc. An. Idroelettrica La Lucense	158	--
Impresa Elettrica di Volpago - Dian Beniamino e Figlio	151	--
Azienda Elettrica del Vipacco	151	--
Societa' per l'Illuminazione Elettrica Chiavenna	139	--
Municipale Bienno	110	--
Fratelli Baldovin Carrulli.....	93	--
Soc. Idroelettrica in Accomandita di Rovare' Veronese	91	--
Officina Elettrica Fratelli Madella	80	--
Societa' Elettrica Antonio Monico e C.	46	--
		4210

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Generation	10^3 KWhrs.
Hydro	8,801,112
Steam coal burning	37,928
Steam oil burning	4,126
Diesel	26
	8,863,266

Hydro.

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1939 GENERATION IN 10^3 KWhrs BY COMPANIES OPERATING AND PRODUCING ON THEIR OWN IN IX, X, XI, XII, REGIONS (NORTH ITALY)

Regions	Hydro Generation	Thermic Generation						
		Steam plants (coal-burning)	Steam plants (oil burning)	Steam plants (blast furnaces gas)	Steam plants (heat recuperation from Martin Siemens	Diesel plants (oil burning)	Diesel plants (blast furnaces gas)	Wood and various
IX	409,269	3,829	-	-	-	917	-	-
X	4,086,537	166,741	-	7,000	-	2	-	5,577
XI	4,182,776	22,967	5,504	-	7,349	14,200	-	-
XII	3,820,934	36,953	5,927	11,342	-	7,012	3,846	-
Total	12,499,516	230,490	11,431	18,342	7,349	22,131	3,846	5,577

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9 GENERATION IN 10^3 KWhrs BY COMPANIES OPERATING AND PRODUCING ON THEIR OWN ACCOUNT IN IX, X, XI, XII, REGIONS (NORTH ITALY)

o ion	Thermic Generation							Total Thermic Generation	Total Generation
	Steam plants (coal-burning)	Steam plants (oil burning)	Steam plants (blast furnaces gas)	Steam plants (heat recuperation from Martin Siemens	Diesel plants (oil burning)	Diesel plants (blast furnaces gas)	Wood and various		
269	3,829	-	-	-	917	-	-	4,746	414,015
537	166,741	-	7,000	-	2	-	5,577	179,320	4,265,857
776	22,967	5,504	-	7,349	14,200	-	-	50,020	4,232,796
34	36,953	5,927	11,342	-	7,012	3,846	-	65,080	3,886,014
16	230,490	11,431	18,342	7,349	22,131	3,846	5,577	299,166	12,798,682

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WEEKLY GENERATION 10^3 KWHS

GENERATING STATION	WEEK				
	6/8 - 12/8	13/8 - 19/8	20/8 - 26/8	27/8 - 2/9	3/9 - 9/9
VESTA	345.2	315,1	312,7	312,9	299,1
NERA MONTORO	WEEKLY	AVERAGE	AUGUST 1680	WEEKLY AVERAGE	SEPT. 1610
COMUNACQUA	389.7	394.2	346.6	323,1	317,5
VULCI	WEEKLY	AVERAGE	AUGUST 140	WEEKLY AVERAGE	SEPT. 119
SCALELLE	311	319	278	221	251

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60 60

Tel: 489081

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works and Utilities Sub-Commission
APO 394

LGP/tr

CEB/G/1

8 Sept 44

SUBJECT : Lubricants etc. Electric Power.

TO : Engineer Officer ACC Region VIII.

1. Please forward as soon as possible to thisoffice the estimated requirements of lubricating oils, greases, and transformer oils for the Larderc Company and Valdarno Company for the months of September, October, November December 1944.

2. Please treat the raquest with urgency.

W.M.LAPPER
Lieut-Colonel
Chief, Util.& Adm.Div.

To be handed to Major Price

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Declassified E.O. 12356 Section 3.3/NND No. 785019

59 59

AAI
Central Electrical Board

IGP/tr

Ref:CEB/6/1

9 Sept.44

SUBJECT : Requirements P.O.L.

TO : Petroleum Section
Adv.AFHQ.APO 400

1. Further to this office letter even number 2 Aug.44 to which was attached list of POLs Aug to Dec 44.

2. Will you please arrange release to the Terni Electric Company

60 Tons Transformer Oil

L.G.PRICE
Major RE
Central Electrical Board

TERNI - SOCIETA' PER L'INDUSTRIA E L'ELETTRICITA'
ANONIMA - SEDE LEGALE IN ROMA - DIREZIONE GENERALE IN GENOVA
CAPITALE L. 1.500.000.000

VIA DUE MACELLI 66

INDIRIZZI:
POSTA: CASELLA POSTALE 502-ROMA
TELEGRAFO: ELETTROTERNI - ROMA
TELEF.: N. 61860-633.414-683.465-45.765

C.P.C. ROMA 18657 - GENOVA 12090
MILANO 243296 - PERUGIA 12945
RIETI 6478 - TERAMO 20386
TERNI 149
C/C POSTALE GENOVA N. 4/506

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ALLIED CONTROL COMMISSION, H.Q.
Public Utilities Subcommission
Via Veneto
R o m a

Vs.
Ns. 646/E.

ROMA , 5 Settembre 1944.

(All'attenzione del Maggiore Price)

Come Vi è noto stiamo alacremente lavorando al ripristino dei gruppi generatori della nostra Centrale di Galleto. Le date di approntamento dei vari gruppi sono da noi previste:

1°	Gruppo	da	43.000	KVA,	15 Dicembre 1944
2°	"	"	"	"	1 Febbraio 1945
3°	"	"	"	"	15 Marzo 1945
4°	"	"	"	"	1 Maggio 1945

I trasformatori viceversa della Centrale di Galleto non sono riparabili; però ci siamo assicurati il prestito di 4 trasformatori da 20.000 KVA ciascuno da parte dell'Azienda Comunale Elettricità Acque di Roma (A.C.E.A.), ed inoltre trasporteremo a Galleto e ripareremo alcuni ns. trasformatori danneggiati solo lievemente presso altri impianti, e precisamente: 1 trasformatore da 38.000 KVA della Centrale

Per la decisione di qualunque controversia nei confronti della nostra Società è quello di Genova.

Declassified E.O. 12356 Section 3.3/NND No. 785019

ALLIED CONTROL COMMISSION, H.Q.
Public Utilities Subcommission
Via Veneto
R o m a

Vs.
Ns. 848/E.

ROMA , 5 Settembre 1944.

(All'attenzione del Maggiore Price)

Come Vi è noto stiamo alacremente lavorando al ripristino dei gruppi generatori della nostra Centrale di Galleto. Le date di approntamento dei vari gruppi sono da noi previste:

1°	Gruppo	da	43.000	KVA,	15 Dicembre 1944
2°	"	"	"	"	1 Febbraio 1945
3°	"	"	"	"	15 Marzo 1945
4°	"	"	"	"	1 Maggio 1945

I trasformatori viceversa della Centrale di Galleto non sono riparabili; però ci siamo assicurati il prestito di 4 trasformatori da 20.000 KVA ciascuno da parte dell'Azienda Comunale Elettricità Acque di Roma (A.C.E.A.), ed inoltre trasporteremo a Galleto e ripareremo alcuni ns. trasformatori danneggiati solo lievemente presso altri impianti, e precisamente: 1 trasformatore da 38.000 KVA della Centrale di Cotilia, 1 trasformatore da 18.000 KVA dello Stabilimento di Nera Montoro e 1 trasformatore da 16.000 KVA della Centrale di Marmore.

Tutti i suddetti trasformatori sono però sprovvisti dell'olio isolante , per cui già da tempo Vi abbiamo richiesto 220 Tonn. di olio isolante. Di questa quantità 60 Tonn. dovrebbero esserci consegnate entro Ottobre prossimo, 60 Tonn. entro il Dicembre ed il resto in relazione alle suesposte date di approntamento.

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T.E.R.N.I.
SOCIETÀ PER L'INDUSTRIA E L'ELETTRICITÀ
DIREZIONE CENTRALE ROMA

T/og

Il Foro competente per la decisione di qualunque controversia nei confronti della nostra Società è quello di Genova.

Declassified E.O. 12356 Section 3.3/NND No. 785019

TERNI - SOCIETÀ PER L'INDUSTRIA E L'ELETTRICITÀ

58

Nº 848/E.

Allied Control Commission, H.Q.
Public Utilities Subcommission
Via Veneto, Roma

Rome, Sept. 5, 1944

(for the attention of Maj. Price)

As you know we are actively working at the restoration of the generating sets placed in our Galleto Central Station. The schedule of entering into operation of the several units are foreseen as follows:

1st	43,000	KVA	Unit	December 15, 1944
2nd	"	"	"	February 1, 1945
3rd	"	"	"	March 15, 1945
4th	"	"	"	May 1, 1945

On the contrary the transformers of the Galleto Station are not repairable; but we are sure that we can borrow four transformers, 20,000 KVA each, from the "Azienda Comunale Elettricità Acque"(AGEA) of Rome, and besides we shall transport to Galleto and repair some transformers of ours, only slightly damaged in other plants, that is: one 38,000 KVA of Cotilia Central Station, one 18.000 KVA transformer of Nera Montoro Factory and one 16,000 KVA transformer of Marmore Station.

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All above transformers however are not supplied with insulating

Declassified E.O. 12356 Section 3.3/NND No. 785019

Via Veneto, Roma

(for the attention of Maj. Price)

As you know we are actively working at the restoration of the generating sets placed in our Galleto Central Station. The schedule of entering into operation of the several units are foreseen as follows:

1st	43,000	KVA	Unit	December	15,	1944
2nd	"	"	"	February	1,	1945
3rd	"	"	"	March	15,	1945
4th	"	"	"	May	1,	1945

On the contrary the transformers of the Galleto Station are not repairable; but we are sure that we can borrow four transformers, 20,000 KVA each, from the "Azienda Comunale Elettricità Acque"(ACEA) of Rome, and besides we shall transport to Galleto and repair some transformers of ours, only slightly damaged in other plants, that is: one 36,000 KVA of Cotilia Central Station, one 18.000 KVA transformer of Nera Montoro Factory and one 16,000 KVA transformer of Marmore Station.

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All above transformers however are not supplied with insulating oil, so that we asked you some time ago to give us 220 tons of insulating oil. Sixty tons of this quantity should be delivered to us during next October, 60 tons during December, and the remnant in connection with the above schedule.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

AAI
CENTRAL ELECTRICAL BOARD
HQ AAI CMF

Ref:CEB/6/1

8 Sept, 44

SUBJECT : POL Requirements

TO : Petroleum Section
Adv AFHQ CMF APO 400

1. Listed below is an estimate for the months of October to December 1944 inclusive, for the two Naples Generating Plants.

2. Capuano Steam Plant : Estimated requirements of Bunker "C" or equivalent Fuel Oil.

October	1000 Metric Tons
November	1000 "
December	1000 "

Pozzanella Diesel Plant

October	450 Metric Tons
November	450 "
December	450 "

3. All the above are required for the generating of Electric Power and delivery should be arranged for Naples.

4. This office letter even number dated 25 May 44 and attached list "B" indicated the estimated lubricant requirements for Societa Meridionale di Elettricita up to Feb.1945 but did not indicate the monthly requirements of the Volturno Company, these are now shown below.

5. Pozzanella Diesel Plant. (Volturno Company)

(a) Crankcase lubricating Oil	½ Tons	October
(b) Upper Cylinder "	1½ "	"
(c) Yellow Grease (Stauffer)	½ "	"

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(a) semidenso grade
(b) extradenso grade

These quantities to be repeated for November and December 1944 and delivery arranged for Naples.

L.G.PRICE
Major R.E.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Rome. 28.8.44

(56)

DIESEL

10000 KW 15 hrs per day 150000 KWH

25 days per month

3,750.000 KWh per month

at .35 Kg per KWh

1,312,500 Kg or 1312 Tons per mo

BUNKER "C" Fuel Oil

6000 KW 20 hrs per day 120 000 KWh

25 days per month 3 000 000 KWh per mo

at .7 Kg per KWh

2,100 000 Kg or 2,100 Tons per mo

COAL

16 000 KW 20 hrs per day 320 000 KWh

25 days per month 8 000 000 KWh per mo

at 1 kg per KWh

8,000.000 Kg or 800 Tons per mo.

10,000
6.000
16.000

TOTAL 32.000 KW

4237

(85)

Fuel 6/155

Subject: FUEL FOR ELECTRIC POWER STATIONS - San Paolo.

104 G.R.B. Works
C.M.F.
Ref.: CRE/EM/253
Tel.: 66023/4/5

28 August 44

To : D.W., A.A.I.
(with copy for forward transmission to Central Electricity Board).

A.C.C. - Public Works Utilities Sub - Commission.

To obtain maximum output from above 2 Stations a High pressure steam pipe line between the two Stations is in course of construction and one of the 10,000 KW. Steam Turbine Generators is being overhauled. To utilize all thermo plants when the above work has been completed it will be necessary to put into operation the three Oil fuel Boilers at the A.G.B.A. works. These are good boilers.

The following will be the daily fuel requirements to produce approximately 36,000 KW.:-

Coal	400	tons	per	day	
Fuel Oil	108	"	"	"	750 Tons
Diesel Oil	56	"	"	"	1000 Tons

Can arrangements be made please for the supply of 108 tons per day of Fuel Oil. Facilities exist for handling Railway Tank waggons if available and there is a Tank Storage capacity of 1960 tons.

4237

In view of the fact that the power at present being received from Hydro Station at Nera Montora will shortly cease to be available, it is a matter of some urgency to produce the maximum quantity of power from the San Paolo Stations.

It is therefore requested that every endeavour be made to supply the Fuel Oil in addition to the coal.

Declassified E.O. 12356 Section 3.3/NND No. 785019

To obtain maximum output from above 2 stations a High pressure steam pipe line between the two Stations is in course of construction and one of the 10,000 KW. Steam Turbine Generators is being overhauled. To utilise all thermo plants when the above work has been completed it will be necessary to put into operation the three oil fuel Boilers at the A.C.E.A. works. These are good boilers.

The following will be the daily fuel requirements to produce approximately 36,000 KW.:-

Coal	400	tons	per	day	
Fuel Oil	108	"	"	"	7500 Tons
Diesel Oil	56	"	"	"	1000 Tons

Can arrangements be made please for the supply of 108 tons per day of Fuel Oil. Facilities exist for handling Railway Tank waggons if available and there is a Tank storage capacity of 1950 tons.

4237

In view of the fact that the power at present being received from Hydro Station at Nera Montora will shortly cease to be available, it is a matter of some urgency to produce the maximum quantity of power from the San Paolo Stations.

It is therefore requested that every endeavour be made to supply the Fuel Oil in addition to the coal.

H Edmondson Lt Colonel

C.R.E. 104 WORKS.

ABC/AM

Copy to: Rome Allied Area Command (G-4)

Lt. Col. Birchett - A.M.G.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

6/1

To Maj Price CER

With Col Rockett approval I draw up this letter. The matter has been referred to S&T and AAI DM.

The situation is that the POLS will be following if CER write a letter to CIP and Pet Section AFHQ, stating that insofar as the Power Companies are supplying a proportion of current to Military consumers they are ND contractors and have a claim to military petrol allocation

Ep Lt. L. Bown HRA

SPWB/ac

541

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
Region IV
APO 394

5th A/TCU/1500/58.21

Date: 18 August 1944

To : DAD S & T (Petrol)

Subject : Petrol allocation to civilian firms on Military Work

1) - Rome Electric Power Companies are supplying both Military and civilian consumers. At present the petrol supply for vehicles engaged on essential repairs, maintenance and plant operation comes from the civilian allocation only.

2) - It is suggested that on the basis of electricity consumption figures attached a propostion of petrol could be supplied direct from Military sources.

3) - The petrol requests as submitted on Pet form 6 for september are as follows :

	Petrol	Gas oil	lubricant
Litres	85,000	1,000	580

C.R. Birchett 4284

C.R.BIRCHETT
Lt. Col. C.E.
Dir.TCU Div., Region IV

Declassified E.O. 12356 Section 3.3/NND No. 785019

Date: 18 August 1944

To : DAD S & T (Petrol)

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	Petrol	Gas oil	lubricant
Litres	85,000	1,000	580

C.R. 4284

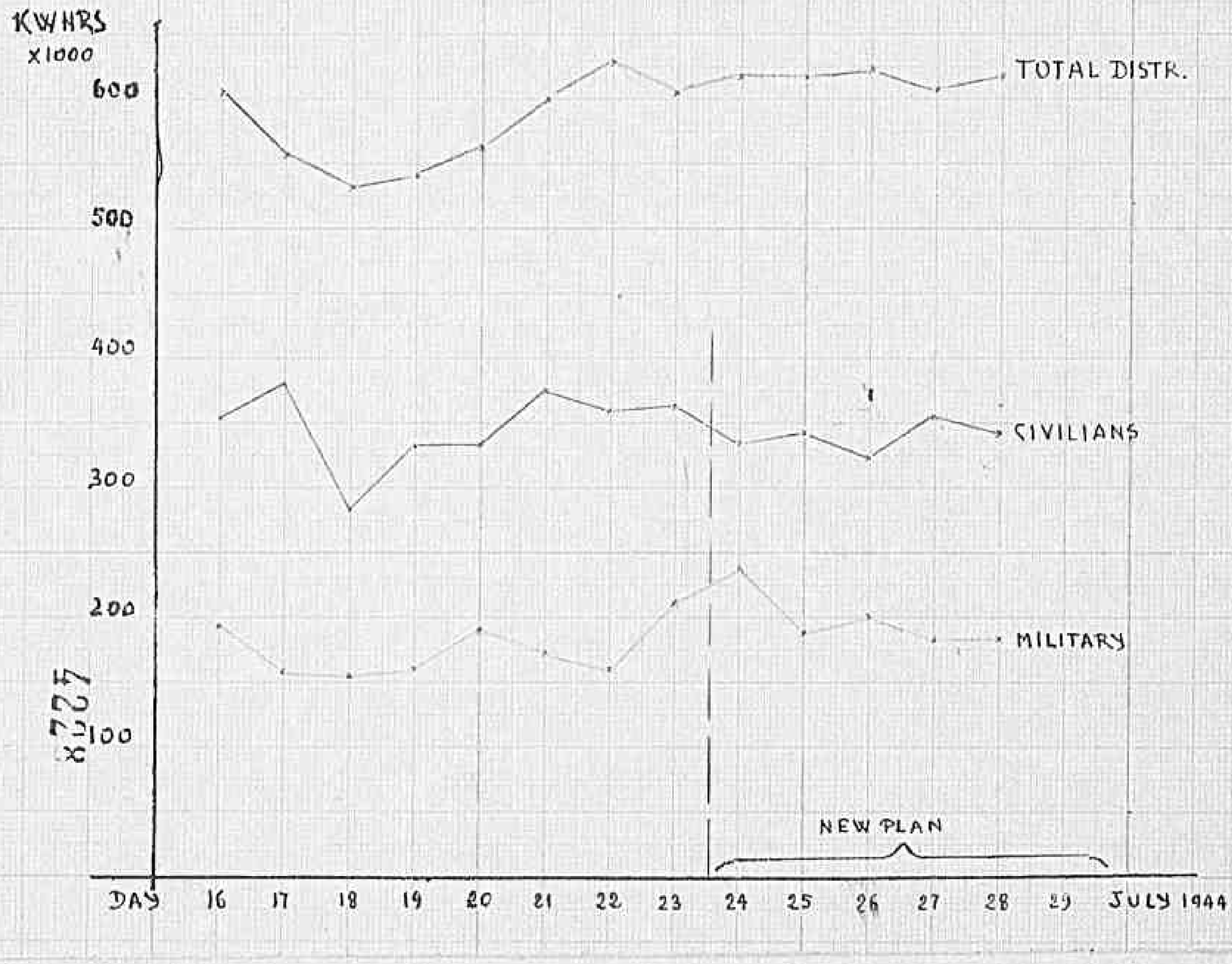
C.R.BIRCHETT
Lt. Col. C.E.
Dir.TCU Div., Region IV

Distribution :
2 DAD S&T
1 Lt.Col.Birchett
1 Transport Div.
1 File

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

DISTRIBUTION



Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I.
CENTRAL ELECTRICAL BOARD,
H.Q. A.A.I.

CEB/6/1 (53)

SUBJECT. Requirements P.O.L.

TO. Pet Sec H.Q. A.A.I.

1. Reference your Pet/19/3/4D dated 11July 44.

2. You have already been supplied with the estimated requirements, P.O.L. for the S.R.E. (see our C.E.B./6/1 dated 9th July 44.)

3. Attached hereto is a list which indicates the estimated requirements, P.O.L. (consolidated Aug to Dec 44 inclusive) for the three other electrical companies operating in and around Rome having registered offices in that City.

4. The grades of oil indicated are those which have been used by the companies and are now shown in order that you can supply suitable substitutes.

COLONEL
Vice Chairman A.A.I. C.E.B.

2 August 1944.

Declassified E.O. 12356 Section 3.3/NND No. 785019

LIST OF P.O.L. REQUIREMENTS FOR THE THREE ELECTRICAL COMPANIES OPERATING IN THE ROME AREA, EXCLUSIVE OF SOCIETA ROMANA DI ELETTRICITA.

TRANSFORMER OIL	1000	Tons
STEAM TURBINE OIL (e)	15	"
DIESEL CYLINDER OIL (a)	50	"
" CRANKCASE OIL (b)	10	"
" FUEL	10000	"
NAVY OIL, BUNKER "C"	7500	"
LUBRICATING OIL (c)	60	"
YELLOW GREASE (Stauffer)	4	"
LUBRICATING OIL, (d)	2	"

(a) Extradenso.
(b) Semidenso.
(c) Foltzer C.D.
(d) Texas Regal "C".
(e) Gargoil D.T.E. light.

Declassified E.O. 12356 Section 3.3/NND No. 785019

OILS AUGUST to DECEMBER INCLUSIVE.

	TONS.		
	U.N.E.S.	A.C.E.A.	TERNI.
Transformer Oil	300	200	500
Steam Turbine Oil (e)		15	
Deisel Cylinder Oil (a)		50	
" Crankcase Oil (b)		10	
Navy Oil, Bunker "C"		7500	
Deisel Fuel Oil		10000	
Lubricating Oil (c)			60
Yellow Grease	1	2	1
Lubricating Oil (d)	2		

(a) Semidenso (b)
(b) Extradenso (a)
(c) Foltzer "CD"
(d) Texas "Regal C"
(e) Gargoil DTE light.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Fuel & Oil

5000 Kw x 20 = 100000 per day
25 days per mo
2500,000 Kwh per mo
.7 Kg per Kwh
1,750,000 Kgs per mo
Diesel oil fuel
100000 Kw x 15 hrs per day = 1500000 Kwh per day
For 25 days per mo
1500000
25
37500000 Kwh per mo
.039 Kg per Kwh
1,250 Tons per mo

.004 Kg per Kwh — Main
Lubricating oil - for Diesel
1 Ton per mo
3 Tons per mo cylinders.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Bunker "C"

Fuel Oil	2000 Tons	per	mo
Diesel Oil	1500 Tons	per	mo.
Lubricating oil	Crankcase	5 Tons	per month.
Cylinder oil		15 Tons	per month.
Turbine oil		15 Tons.	per month.

Crankcase Semi denso.
Cylinder Extra denso .157

(213.)

4224

Declassified E.O. 12356 Section 3.3/NND No. 785019

September + October

Tonic Company

Transformer Oil		200 Tons.
Lubricating Oil	(CD Foltzer Type)	40 Tons.
"	" regulators + bearings (C Foltzer Type)	20 Tons

UNES Corp.

Transformer Oil.		100 Tons.
Lubricating Oil	turbines, Texas Regal "C"	2 Tons
Grease.	Stauffer type.	½ Ton.

Declassified E.O. 12356 Section 3.3/NND No. 785019

250 Tons Diesel Oil

1500 lbs

4800 lbs

6 lbs Crankcase oil per Ton.

19 lbs Cylinder oil per Ton.

Volturno Engines

Crankcase oil Semidenso

Cylinder " Extradenso No 157.

Declassified E.O. 12356 Section 3.3/NND No. 785019

RACCOMANDATA A MANO

Indirizzo Telegrafico: AGEA - ROMA
Telefoni dello Stato: 43-543 - 43-544
Conto Corrente Postale: 1/2902

52

AZIENDA GOVERNATORIALE
ELETTRICITÀ ED ACQUE

Roma (103), 9 AGO 1944 ANNO XX
VIA MILANO, 62

Da citare nella risposta:
PROT. N. 4556
UFFICIO APPROVVIGIONAMENTI
PRAT. N. 01

Major Price
Commissione Elettrica Alleata
Soc.Romana di Elettricità
R O M A - Piazza Poli

In esito alla richiesta avanzataci telefonicamente in data 31 Luglio u.s., ci pregiamo trasmettervi il nostro fabbisogno di Olii Lubrificanti per il bimestre Agosto-Settembre e per il trimestre Ottobre-Dicembre 1944.

Distinti saluti

IL DIRETTORE
Bosi

4227

Allegati N. ...

TIP. MOLINE & ALESSANDRONI - ROMA

Allegato alla lettera in data 1-8-194- Protocollo N° 4556

AZIENDA COMUNALE ELETTRICITA'ED ACQUE - R O M A

Fabbisogno olio lubrificanti

	Fabbisogno per i mesi Agosto Settembre	Fabbisogno per i mesi Ottobre Novembre Dicembre
Olio per trasformatori	Kg.8.000	Kg.12.000
Olii lubrificanti		
Lubrificante per turbina a vapore	" 1.220	Kg. 1.840
Lubrificante per cilindri Diesel	"19.520	Kg.29.440
Lubrificante per manovellismi Diesel	" 2.440	" 3.680
Lubrificante per boccole	" 70	" 100
Lubrificante per macchine e trasmissioni medie e leggere-Motori elettrici piccola e media potenza	" 70	" 100
Lubrificante per motori elettrici di grande potenza	" 500	" 750
Lubrificante per compressori aria	" 400	" 600
Lubrificante per cilindri vapore surriscaldato	" 150	" 250
Olio nero per ingranaggi di cambi ed organi di riduzione	" 200	" 300
Lubrificante per motori a scoppio semidenso	" 500	" 750
Lubrificante per motori a scoppio (autocarri) denso	" 100	" 150
Lubrificante per differenziali extra denso	" 50	" 75
Grasso giallo	" 300	" 450

AZIENDA COMUNALE
ELETTRICITÀ ED ACQUE
IL DIRETTORE 4228

Declassified E.O. 12356 Section 3.3/NND No. 785019

AZIENDA COMUNALE ELETTRICITA' ED ACQUE -R O M A

Caratteristiche principali di parte dei lubrificanti richiesti

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Olio per trasformatori : assenza di impurità e umidità - viscosità a 20° : max 8° Engler - viscosità 50°: max 2,5° Engler - viscosità 75° : max 1,5° Engler - infiammabilità P.M. minimo :140° C. - infiammabilità Marcusson minimo 150° C.- acidità organica espressa in acido oleico: max 0,05 - acidità minerale ed alcalinità 0 zero - rigidità dielettrica media 40 KV.

✓ Lubrificante per turbina a vapore: assenza di impurità e umidità - viscosità a 50° = 4° Engler - viscosità a 100° : 1,4° Engler- scorrevole a 0° - infiammabilità P.M. minimo 180° C- acidità minerale ed alcalinità zero- acidità organica- in acido oleico max 0,1% - ceneri : max 0,02% .

✓ Lubrificante per cilindri Diesel: esclusivamente minerale- assolutamente neutro - punto di infiammabilità P.M. 245° C. toll 10° C - punto di accensione 285° C. toll. 10° C.- viscosità a 10° C - scorrevole - viscosità a 50° C. da 14° a 22° Engler .

✓ Lubrificante per manovellismi Diesel: esclusivamente minerale - assolutamente neutro - punto di infiammabilità 215° C - toll. 5° C - punto di accensione 250° C. toll. 5° C.- viscosità a 10° C.- scorrevole - a 50° C. - da 7° a 10° Engler:

✓ Lubrificante per boccole : viscosità a 50° - 7° E. - punto infiammabilità min. 150°

Lubrificante per macchine e trasmissioni medie e leggere:-viscosità a 50° - 3,5° E- punto infiammabilità min. 170°

✓ Lubrificante per compressori aria: viscosità a 70° - 90° b - punto infiammabilità minimo 227°

✓ Olio nero per ingranaggi di cambi ed organi di riduzione : viscosità a 100° - 4° E - punto infiammabilità minimo 250°

4219

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

Enclosure to the letter dated August 1st, 1944 -Prot.4556

AZIENDA COMUNALE ELETTRICITA' & ACQUE-ROMA

Lubricant oil needed

	For the months of Aug/Sept.	For the months of Octob. Nov/December
Transformer oil	Kg.8.000 4 Tons	Kg.12.000 12 Tons
Lubricant Oils		
Lubricant for steam turbine	" 1.220 1¼	" 1.840 1¾
" " Diesel cylinders	" 19.520 19 Tons	" 29.440 29 Tons
" " hand starting	" 2.440 1½	" 3.680 3¾
" " bearings	" 70 ⅛	" 100 ⅛
" " engines and medium and light transmissions-electrical motors		
with medium or small power	" 70 ⅛	" 100 ⅛
Lubricant for electrical motors of high power	" 500 ½ Ton	" 750 ¾ Ton
Lubricant for air compressors	" 400 ½ Ton	" 600 ¾ Ton
" " overheated steam cylinders	" 150 ½ Ton	" 250 ¾ Ton
Black oil for gears and reduction gears	" 200	" 300
Lubricant for internal comustion motors(middle)	" 500	" 750
Lubricant for internal combustion motors(lorries)(heavy)	" 100	" 150
Lubricant for differentials(extra-heavy)	" 50	" 75
Yellow grease	" 300 ½ Ton	" 450 ¾ Ton

4218

Declassified E.O. 12356 Section 3.3/NND No. 785019

Principal characteristics of some of the lubricants requested

Lubricants for Steam Turbines. Absense of impurities and dampness - viscosity at 50° = 4° Engler - viscosity at 100° : 1,4° Engler - fluid at 0° - inflammability P.M. minimum 180° C. - mineral acid and alkalinity zero - organic acid in oleic acid max. 0.1% - ashes : max. 0.02%.

Lubricants for Diesel Cylinders. exclusively mineral - absolutely neutral - point of inflammability P.M. 245° C. tol. 10° C - ignition point 285° C. tol. 10° C - viscosity at 10° C - fluid - viscosity at 50° C. from 14° to 22° Engler.

Lubricants for Diesel ~~hand~~ starting engines: exclusively mineral - absolutely neutral - point of inflammability 215° C - tol. 5° C - ignition point 250° C tol. 5° C. viscosity at 10° C. - fluid - at 50° C. - from 7° to 10° Engler.

Lubricants for bearings. viscosity at 50° - 7° E. - point of inflammability min. 150°.

Lubricants for Air compressors. viscosity at 70° - 90° b - point of inflammability min. 227°.

Black Oil for Gears and Reductions Gears. viscosity at 100° - 4° E. - point of inflammability min. 250°.

Società Romana di Elettricità

(57)

Per azioni - Sede in Roma - C.C.C. Roma N.o 2211
capitale sociale L. 175.000.000 versato

Roma 25/7/1944
VIA POLI, 14

N.o

CENTRAL ELECTRICAL BOARD
Major Price
ROMA

XXI/25

Fabbisogno olio lubrificante per impianti elettrici

Facendo seguito alla ns/ lettera in data 8 corr., Vi comunichiamo che la Soc. Petroli di Roma non può consegnarci i lubrificanti da noi richiesti, e da cod. Comando assegnati, se non riceve l'ordine di consegna di cod. Comando.

Vi preghiamo, pertanto, di voler impartire le opportune disposizioni in merito, affinchè si possa garantire l'efficienza degli impianti idroelettrici e termoelettrici attualmente in funzione.

SOCIETÀ ROMANA DI ELETTRICITÀ
DIREZIONE GENERALE

1 luglio 1944

Indirizzo Telefonico: ESROM - Telegrammi: "Elettromare"

Declassified E.O. 12356 Section 3.3/NND No. 785019

Major Price

ROMA

AXI/25

Fabbisogno olio lubrificante per impianti elettrici

Facendo seguito alla ns/ lettera in data 8 corr., Vi comunichiamo che la Soc. Petroli di Roma non può consegnarci i lubrificanti da noi richiesti, e da cod. Comando assegnati, se non riceve l'ordine di consegna di cod. Comando.

Vè preghiamo, pertanto, di voler impartire le opportune disposizioni in merito, affinchè si possa garantire l'efficenza degli impianti idroelettrici e termoelettrici attualmente in funzione .

SOCIETA ROMANA DI ELETTRICITÀ
DIREZIONE GENERALE
1 Dic 1945 4245

G.DC.
9

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

(51)

Rome July 25,1944

CENTRAL ELECTRICAL BOARD
Major Price
ROMA

Lubricant Oil needed for Electrical Plants

Following our letter of 8th current month,we inform you that the Società Petroli of Rome will not deliver the lubricants we asked for and which had been allotted to us by these Headquarters if it does not get a delivery order from Headquarters.

We therefore ask you to give the needed directions so that we may be able to guarantee the effectiveness of hydroelectrical and steamelectrical plants presently in exercise.

Società Romana di Elettricità

Soc. azioni - Sede in Roma - C.P.C. Roma N.° 3247
capitale sociale L. 478.500.000 - versato

50

Roma (41) July 20st, 1944
VIA POLI. 14

N.°

To Major Price
Electrical Central Board

ROMA

MEMORANDUM

Petrol and lubricantrequirements of this Company for the month of August:

Petrol	liter	25.000
Naphta	"	6.000
Lubricant oil (Mobiloil Vacuum B)		400

Wanted for the motor vehicles whose list has been sent in on the 12th of July last.

Please provide for the allocation.

421/

Cod. Indir. Telegr.: «Romelt» Roma - Telefono

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

Raccomandata a mano

Unione Esercizi Elettrici

SOCIETÀ PER AZIONI - SEDE IN ROMA
CAPITALE SOCIALE L. 208.125.000

U.P.C. Roma N. 18471

ROMA, 21 Luglio 1944
Via Torino, 117

DIREZIONE GENERALE

N. 531/629 III Segr.Tec. Sigla LF/sp

OGGETTO: Fabbisogno P. O. L. mese di agosto c. a.

To
CENTRAL ELECTRICAL BOARD
c/o Soc. Romana di Elettricità
R O M A
Via Poli n° 14

In esito alla richiesta di codesto Ufficio segnaliamo che il fabbisognp approssimativo, per il mese di agosto prossimo venturo, di carburante e di olio lubrificante per l'autovettura Fiat, tipo 527, di HP 27, targata Roma 73309, in servizio presso questa Direzione Generale, è di:

lt. 200 di benzina
Kg. 20 olio lubrificante

temuto conto dell'ubicazione degli impianti di proprietà sociale, nota a codesto Ufficio, con i quali dobbiamo mantenere i collegamenti.=

Unione Esercizi Elettrici
Il Direttore Generale *Un Procuratore*

4213

Telegrammi: UNES - ROMA — Telefoni: 48650 - 484586 - 49772

Declassified E.O. 12356 Section 3.3/NND No. 785019

REF: CEB/6/1.

A.A.I.
CENTRAL ELECTRICAL BOARD
HQ AAI CMF

27 July 1944

SUBJECT:- Supply of Lubricants

TO:- U.N.E.S. 117 Via Torino, ROMA
A.G.E.A. 61 Via Milano, ROMA
TERNI, 66 Via Due Macelli, ROMA.

1. You are reminded that it is necessary for you to supply this office at an early date your estimated Fuel and Lubricant requirements for the months of August and September 1944.

2. Please also furnish your estimated Fuel and Lubricant requirements for October, November and December 1944.

3. It should be understood that the estimates are to be for Generating Plants at your Central Stations and not to include Fuel and Lubricants for autovehicles.

4. Please submit your estimated requirements in duplicate form.

JAMES F. CROMDON,
COLONEL C.E.,
Vice Chairman, AAI - C.E.B.

4212

Declassified E.O. 12356 Section 3.3/NND No. 785019

ACC Rome Region

(1)

To. AHI CFB

Subject. Fuel & Lubricants.

I Have been directed by Col Bischoff some time ago to draw up estimates of fuel and lubricant requirements for all public utilities and contractors under our jurisdiction.

These requirements were sent in to Petroleum people about 10 days ago. Of the Companies supply with your letter attached it would appear to be an unnecessary duplication

Lt S.P. Lord. Bn.

TERNI - SOCIETA' PER L'INDUSTRIA E L'ELETTRICITA'
ANONIMA - SEDE LEGALE IN ROMA - DIREZIONE GENERALE IN GENOVA
CAPITALE L. 1.500.000.000

INDIRIZZI:
POSTA: CASELLA POSTALE 502-ROMA
TELEGRAFO: ELETTROTERNI - ROMA
TELEF.: N. 61660 633.414-633.465-65.765

C.P.C. ROMA 18657 - GENOVA 12090
MILANO 243296 - PERUGIA 12945
RIETI 6478 - TERAMO 20386
TERNI 4149
C/C POSTALE GENOVA N. 4/526

VIA DUE MACELLI 66

To : HQ. Region IV ACC

R O M E

Vs. .....

Ns. 703/E.

ROMA July 21, 1944

1. - We herewith enclose a list of our vehicles (trucks and cars), used for repairing of our Power Stations in the province of Terni.

2. - We beg you to grant us the requested amounts of fuel and lubricants, needed to keep in operation such vehicles in the months of August and September 1944.

3. - We point out that the trucks are used to clear up the ruins, to carry damaged machineries to the workshops, to carry the various materials needed to repair the plants and buildings.

Cars and motor-cycles are used by Managers and technical staifs dealing with the repairing works.

TERNI
SOCIETÀ PER L'INDUSTRIA E L'ELETTRICITÀ

Two enclosures

Declassified E.O. 12356 Section 3.3/NND No. 785019

Il Foro competente per la decisione di qualunque controversia nei confronti della nostra Società è quello di Genova.

Vs.

Ns. 708/I.

HQ. Region IV ACC

R O M E

ROMA July 21, 1944

1. - We herewith enclose a list of our vehicles (trucks and cars), used for repairing of our Power Stations in the province of Terni.

2. - We beg you to grant us the requested amounts of fuel and lubricants, needed to keep in operation such vehicles in the months of August and September 1944.

3. - We point out that the trucks are used to clear up the ruins, to carry damaged machineries to the workshops, to carry the various materials needed to repair the plants and buildings.

Cars and motor-cycles are used by Managers and technical staffs dealing with the repairing works.

TERNI
SOCIETÀ PER L'INDUSTRIA E L'ELETTRICITÀ

Two enclosures

/mlt

4211

Il Foro competente per la decisione di qualunque controversia nei confronti della nostra Società è quello di Genova.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

Rome - On Oct 23rd 64

note for Sir Major Pr

Sebuano thermo-plant generation

October Week	Weekly Generation kWhs	Max P kW
1 - 7	705 520	15 000
8 - 14	693 400	15000
15 - 18	482 400	15 000

1,880,320

1880320
1.4
752128 0
1880320
2,632,448 0

Declassified E.O. 12356 Section 3.3/NND No. 785019

93 to 66 Note for Sir Major Price

Kabrano Thermo-plant Generation

Weekly Generation kWhs	Max Peak kW
705520	15000
692400	15000
682400	15000
1880320	

1880320
1.4
752128.0
1880320
2,632,448.0

Ok W

Declassified E.O. 12356 Section 3.3/NND No. 785019

Note for Lt Major Price

Lukanga thermo plant Generation

September Week	Weekly Generation kWhs	Max Per 42½ hrs
1 ÷ 7	758 400	18000
8 ÷ 14	681 600	15000
15 ÷ 21	935 300	27000
22 ÷ 28	1015 300	24000
days 29 & 30	251 180	15000
	3,641,780	
	1.4	
	1456712 0	
	3641780	
	5098492.8	

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On Oct. 24th his note for Sir Maynor Price 24.10.44

Exposure thermo-plant Generation

Number of week	Weekly Generation kWhs	Max Peak kW
1/	758 400	18000
1/	681 600	15000
31	935 300	24000
28	1015 300	24000
20	251 180	15000

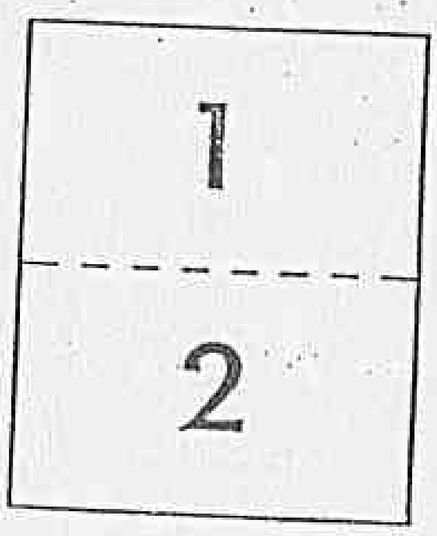
3641780
1.25
4551120
14261780
3641780
5098492.5

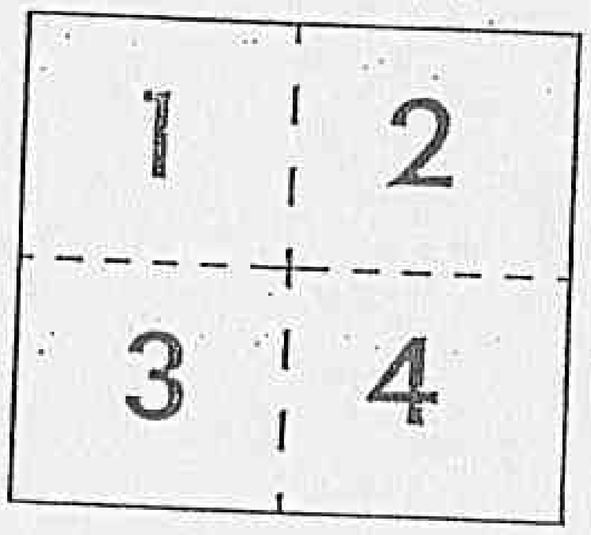
Ouin

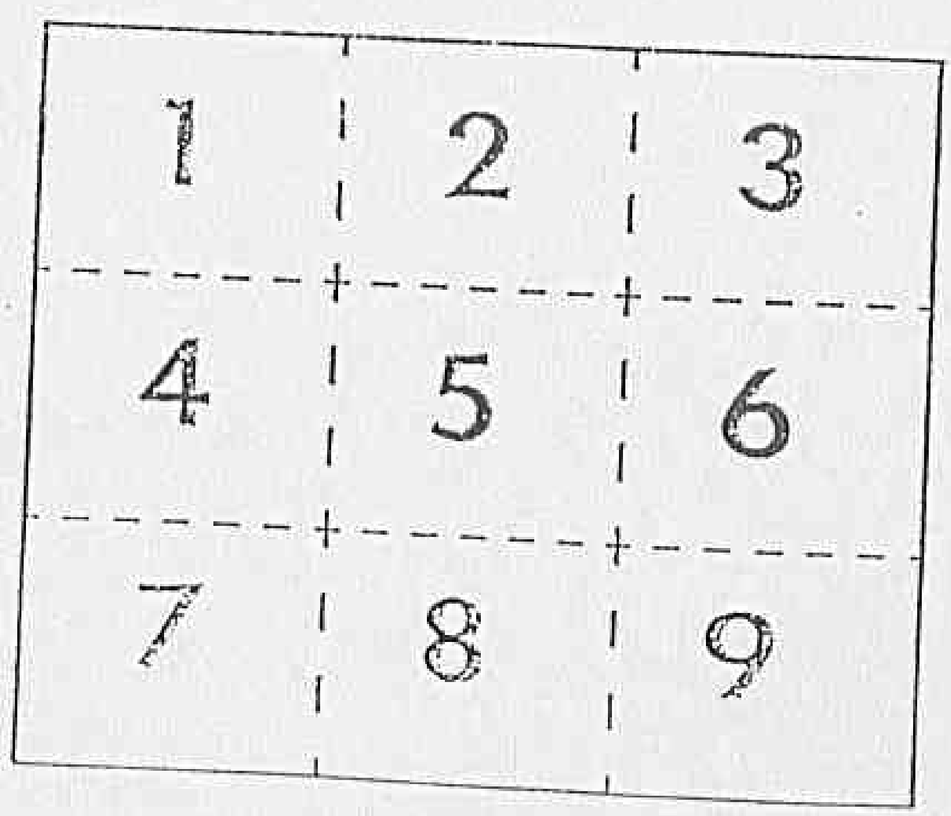
Declassified E.O. 12356 Section 3.3/NND No. 785019

MAPS AND CHARTS TOO LARGE TO FILM ON ONE EXPOSURE ARE FILMED CLOCKWISE BEGINNING IN THE UPPER LEFT CORNER, LEFT TO RIGHT, AND TOP TO BOTTOM.

SEE DIAGRAMS BELOW.







Declassified E.O. 12356 Section 3.3/NND No. 785019

TERNI SOCIETÀ PER L'INDUSTRIA

GASOLINE - MOTORED V

Type of vehicle	Licence N°	Power HP	Employment
- Gasoline-motored vehicles already entitled to circulation			
Light Truck Fiat 501	TR.2079	12	In service for repairing of high-tension transmission lines -
" " Fiat 508	TR.2392	12	
Car Lancia Aprilia	TR.3620	15	In service for managers and technical staff of Galleto Station
" Lancia Ardea	TR.4126	13	In service for managers and technical staff of Cervara and Terni Municipality Stations -
" Fiat 1500	TR.3176	19	
" " 1500	TR.2813	19	idem Galleto Station
" " 1100	TR.2832	13	idem transmission lines repairing

- ROUGH ESTIMATE OF FUEL CONSUMPTION

Average distance covered in one day by a car : 100 km.
Average distance covered in one month by a car : 100 km. x 30 = 3,000 km.
Consumption : 7 km. per litre
Monthly gasoline consumption of one car : $\frac{3{,}000 \text{ km.}}{7}$ = 428 litres

Monthly gasoline consumption of seven cars : 428 litres x 7 = 2,996 litres

- Wheeled light trucks and motor-cycles			
Three wheeled "Bordone" light truck -	TR.1837	5	In service for assistants and line-watchers
Moto-cycle Guzzi 500	TR.1765	5	In service for technical assistants and high-power line-watchers
" Guzzi 500	TR. 765	5	
" Benelli 500	TR.1135	5	

- ROUGH ESTIMATE OF FUEL CONSUMPTION

Declassified E.O. 12356 Section 3.3/NND No. 785019

OCIETÀ PER L'INDUSTRIA E L'ELETTRICITÀ

GASOLINE - MOTORED VEHICLES

Employment	Fuel consumption Gasoline		Lubricant consumption Semi-dense oil	
	August	September	August	September
rculation				
In service for repairing of high-tension				
transmission lines -				
n service for managers and technical staff f Galleto Station				
In service for managers and technical staff of Cervara and Terni Municipality Stations -				
idem Galleto Station				
idem transmission lines repairing				
00 km.				
100 km. x 30 = 3,000 km.				
km. = 428 litres				
8 litres x 7 = 2,996 litres	lt. 2,900	2,900	lt. 60	60
service for assistants and line-watchers				
In service for technical assistants and high-power line-watchers				

TERNI
SOCIETÀ PER L'INDUSTRIA E L'ELETTRICITÀ

Declassified E.O. 12356 Section 3.3/NND No. 785019

- Gasoline-motored vehicles already entitled to circulation

Light Truck Fiat 501	TR.2079	12	In service for repairing of high-tension transmission lines -
" " Fiat 508	TR.2392	12	
Car Lancia Aprilia	TR.3620	15	In service for managers and technical staff of Galleto Station
" Lancia Ardea	TR.4126	13	In service for managers and technical staff of Cervara and Terni Municipality Stations -
" Fiat 1500	TR.3176	19	
" " 1500	TR.2813	19	idem Galleto Station
" " 1100	TR.2832	13	idem transmission lines repairing

- ROUGH ESTIMATE OF FUEL CONSUMPTION

Average distance covered in one day by a car : 100 km.
Average distance covered in one month by a car : 100 km. x 30 = 3,000 km.
Consumption : 7 km. per litre
Monthly gasoline consumption of one car : $\frac{3,000 \text{ km.}}{7}$ = 428 litres

Monthly gasoline consumption of seven cars : 428 litres x 7 = 2,996 litres

- Wheeled light trucks and motor-cycles

Three wheeled "Bordone" light truck -	TR.1837	5	In service for assistants and line-watchers
Moto-cycle Guzzi 500	TR.1765	5	In service for technical assistants and high-power line-watchers
" Guzzi 500	TR. 765	5	
" Benelli 500	TR.1135	5	

- ROUGH ESTIMATE OF FUEL CONSUMPTION

Average distance covered in one day by a moto-cycle : 80 km.
Average distance covered in one month by a motor-cycle : 80 km. x 30 = km. 2,400
Consumption : 15 km. per litre - 2,400 km./ 15 = 160 litres
Monthly gasoline consumption of four motor-cycles : 160 litres x 4 = 640 litres

T O T A L S

Rome July 21, 1944

Declassified E.O. 12356 Section 3.3/NND No. 785019

...ction				
...rvice for repairing of high-tension ...mission lines -				
...vice for managers and technical staff ...leto Station				
...ervice for managers and technical ...f of Cervara and Terni Municipality ...ions -				
...m Calleto Station				
...m transmission lines repairing				
...n. ...km. x 30 = 3,000 km.				
... = 428 litres				
...tres x 7 = 2,996 litres	lt. 2,900	2,900	lt. 60	60
...vice for assistants and line-watchers				
...ervice for technical assistants ...high-power line-watchers				
... : 80 km. ...le : 80 km. x 30 = km. 2,400 ...0 litres 160 litres x 4 = 640 litres	lt. 640	640	lt. 20	20
T O T A L S	lt. 3,540	3,540	lt. 80	80

TERNI
SOCIETÀ PER L'INDUSTRIA E L'ELETTRICITÀ

Declassified E.O. 12356 Section 3.3/NND No. 785019

TERNI SOCIETÀ PER L'INDUSTRIA E

AUTOMEZZI AZIONATI DA MOTORE DIESEL GIA' AUTORI

Tipo Automezzo	Nº targa	Potenza HP	Uso che si fa dell'automezzo
Lancia " 3 Ro "	TR.4133	52	Servizio Centrale di Galleto
Lancia " 3 Ro "	TR.4257	52	Servizio Centrale di Papigno

AUTOMEZZI AZIONATI DA MOTORE DIESEL PER I QUALI SI E' IN ATTES

Lancia " 3 Ro "	TR.4130	52	Servizio Centrale della Cervara e del Comune di Terni -
Lancia " 3 Ro "	TR.4077	52	
Bianchi	TR.2981	30	Servizio Centrale di Galleto
Bianchi Miles	TR.3771	39	Servizio Centrale di Marmore
Fiat 621	TR.4003	27	Servizio trasporto personale e materiale delle varie centrali -

- Calcolo approssimativo dei consumi di carburante

Percorso medio giornaliero di un autocarro Km. 85 circa

Percorso medio mensile di un autocarro = Km. 80 x 30 = Km. 2.400

Consumo lt. 1 di nafta per ogni 4 Km. di percorso

Consumo di nafta mensile per ogni autocarro $\frac{\text{Km. } 2400}{4}$ = lt. 600

Consumo di nafta mensile per 7 autocarri = lt. 600 x 7 = lit. 4.200

Roma, 21 Luglio 1944

Declassified E.O. 12356 Section 3.3/NND No. 785019

IETÀ PER L'INDUSTRIA E L'ELETTRICITÀ

ZZI AZIONATI DA MOTORE DIESEL GIA' AUTORIZZATI A CIRCOLARE

Uso che si fa dell'automezzo	Consumo carburante Nafta		Consumo lubrificante Olio semidenso	
	Agosto	Settembre	Agosto	Settembre
Servizio Centrale di Galleto				
Servizio Centrale di Papigno				
MOTORE DIESEL PER I QUALI SI E' IN ATTESA DEL PERMESSO DI CIRCOLAZIONE				
Servizio Centrale della Cervara e del Comune di Terni -				
Servizio Centrale di Galeto				
Servizio Centrale di Marmore				
Servizio trasporto personale e materiale delle varie centrali -				
85 circa				
x 30 = Km. 2.400				
2400 = lt. 600				
0 x 7 = lit. 4.200	lt. 4.200	4.200	lt. 210	210

TERNI
SOCIETÀ PER L'INDUSTRIA E L'ELETTRICITÀ

Declassified E.O. 12356 Section 3.3/NND No. 785019

TERNI SOCIETÀ PER L'INDUSTRIA E

AUTOMEZZI AZIONATI DA MOTORE A BENZINA GIA' AU

Tipo Automezzo	N° targa	Potenza HP	Uso che si fa dell'automezzo
Autocarro leggero Fiat 501	TR.2079	12	Servizio riparazione linee ad alta tensione
Fiat 508	TR.2392	12	id. c. s.
Autovettura Lancia Aprilia	TR.3620	15	Servizio dirigenti e personale tecnico Centrale Galleto
" Lancia Ardea	TR.4126	13	Servizio dirigenti e personale tecnico Centrale della Cervara e Comune di Terni
" Fiat 1.500	TR.3176	19	
" " 1.500	TR.2813	19	id. Centrale Galleto
" " 1.100	TR.2832	13	id. riparazioni linee

- Calcolo approssimativo dei consumi di carburante

Percorso medio giornaliero di un'autovettura Km. 100
Percorso medio mensile di un'autovettura Km. 100 x 30 = Km. 3.000
Consumo lt. 1 benzina ogni 7 Km.
Consumo lt. benzina mensile di una autovettura = $\frac{3.000}{7}$ = lt. 428

Consumo benzina mensile per 7 autovetture lt. 428 x 7 = lt. 2.996

MOTOCARRI E MOTOCICLETTE

Motocarro Bordone	TR.1837	5	Servizio assistenti e guardiafili
Motocicletta Guzzi 500	TR.1765	5	Servizio assistenti tecnici e guardiafili linee alta tensione
" Guzzi 500	TR. 765	5	
" Benelli 500	TR.1135	5	

- Calcolo approssimativo dei consumi di carburante

Percorso medio giornaliero di una motocicletta Km. 80
Percorso medio mensile di una motocletta Km. 80 x 30 = Km. 2.400
Consumo lt. 1 benzina per ogni 15 km. di percorso $\frac{\text{Km. } 2.400}{15}$ = lt. 160

Consumo benzina mensile di 4 motociclette lt. 160 x 4 = lt. 640

Declassified E.O. 12356 Section 3.3/NND No. 785019

CIETÀ PER L'INDUSTRIA E L'ELETTRICITÀ

EZZI AZIONATI DA MOTORE A BENZINA GIA' AUTORIZZATI A CIRCOLARE

Uso che si fa dell'automezzo	Consumo carburante Benzina		Consumo lubrificante Olio Semidenso	
	Agosto	Settembre	Agosto	Settembre
vizio riparazione linee ad alta tensione				
id. c. s.				
vizio dirigenti e personale tecnico Centrale Galleto				
ervizio dirigenti e personale tecnico entrale della Cervara e Comune di Terni				
Centrale Galleto				
riparazioni linee				
00				
30 = Km. 3.000				
.000 = lt. 428				
7				
x 7 = lt. 2.996	lt. 2.900	2.900	lt. 60	60
MOTOCARRI E MOTOCICLETTE				
izio assistenti e guardiafili				
rvizio assistenti tecnici e guardiafili linee alta tensione				
80				
= Km. 2.400				
m. 2.400 = lt. 160				
15				
4 = lt. 640	lt. 640	640	lt. 20	20

TERNI
SOCIETÀ PER L'INDUSTRIA DELL'ELETTRICITÀ

Declassified E.O. 12356 Section 3.3/NND No. 785019

Autocarro leggero Fiat 501	TR.2079	12	Servizio riparazione linee ad alta tensione
Fiat 508	TR.2392	12	id. c. s.
Autovettura Lancia Aprilia	TR.3620	15	Servizio dirigenti e personale tecnico Centrale Galleto
" Lancia Ardea	TR.4126	13	Servizio dirigenti e personale tecnico Centrale della Cervara e Comune di Terni
" Fiat 1.500	TR.3176	19	
" " 1.500	TR.2813	19	id. Centrale Galleto
" " 1.100	TR.2832	13	id. riparazioni linee

- Calcolo approssimativo dei consumi di carburante

Percorso medio giornaliero di un'autovettura Km. 100
Percorso medio mensile di un'autovettura Km. 100 x 30 = Km. 3.000
Consumo lt. 1 benzina ogni 7 Km.
Consumo lt. benzina mensile di una autovettura = $\frac{3.000}{7}$ = lt. 428

Consumo benzina mensile per 7 autovetture lt. 428 x 7 = lt. 2.996

MOTOCARRI E MOTOCICLETTE

Motocarro Bordone	TR.1837	5	Servizio assistenti e guardiafili
Motocicletta Guzzi 500	TR.1765	5	Servizio assistenti tecnici e guardiafili linee alta tensione
" Guzzi 500	TR. 765	5	
" Benelli 500	TR.1135	5	

- Calcolo approssimativo dei consumi di carburante

Percorso medio giornaliero di una motocicletta Km. 80
Percorso medio mensile di una motocletta Km. 80 x 30 = Km. 2.400
Consumo lt. 1 benzina per ogni 15 km. di percorso $\frac{\text{Km. } 2.400}{15}$ = lt. 160

Consumo benzina mensile di 4 motociclette lt. 160 x 4 = lt. 640

TOTALI

Roma, 21 Luglio 1944

Declassified E.O. 12356 Section 3.3/NND No. 785019

riparazione linee ad alta tensione				
id. c. s.				
dirigenti e personale tecnico Cen- alleto				
zio dirigenti e personale tecnico ale della Cervara e Comune di Terni				
trale Galleto				
arazioni linee				
= Km. 3.000				
= lt. 428				
= lt. 2.993	lt. 2.900	2.900	lt. 60	60
MOTOCARRI E MOTOCICLETTE				
o assistenti e guardafili				
zio assistenti tecnici e guar- li linee alta tensione				
Km. 2.400 2.400 = lt. 160 15				
= lt. 640	lt. 640	640	lt. 20	20
TOTALI	lt. 3.540	3.540	lt. 80	80

TERNI
SOCIETÀ PER L'INDUSTRIA ELETTRICA

Declassified E.O. 12356 Section 3.3/NND No. 785019

AFHQ PETROLEUM SECTION
MAIN HQ. A.A.I.
C.M.F.

PET 19/3/1
21 July 1944

SUBJECT: Brake Fluid

TO : CIF, Naples

1. SME in Naples have need of 5 Gals of hydraulic brake fluid for their motor vehicles. This material has been released to you from W.D. stocks

2. Kindly arrange to make a delivery to SME as promptly as possible, billing them at the established retail price.

H. B. BYLES
Colonel
Petroleum Section

Copy to AAI Central Electrical
Board HQ. AAI CMF.

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I.
CENTRAL ELECTRICAL BOARD
HQ AAI C.F

REF: CEB/6/1

22 July 1944

SUBJECT:- P.O.L.

TO:- HQ R.A.C.
(ATT. Major BALANCE - Transportation Section)

1. Ref telephone conversation Major BALANCE - Major PRICE of 21 Jul 44, and this office letter, CEB/20/2 dated 14 July 44 to which was attached Terni Coy letter 685/E dated 11 July 44.

2. It is urgently necessary that the a/n Coy be granted sufficient gasoline to enable them to carry out a technical survey of their damaged power plants with a view to rehabilitation.

3. As agreed this office is consolidating demands for P.O.L. requirments of the local Power Coys for the month of August and will forward to you by Sunday, 23 July 44.

JAMES P. GORDON,
COLONEL CE,
Vice Chairman, AAI - C.E.B.

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(44)

A.A.I.
CENTRAL ELECTRICAL BOARD
HQ AAI CMF.

REF: CEB/6/1

19 July 1944

SUBJECT:- POL Supplies

TO:- Petroleum Section, HQ AAI.
(Att/ Lt.Col. KING)

1. Ref is made to telephone conversation (Lt-Col. KING - Major PRICE) of 22 May 44, regarding the release to CIP NAPLES for SME of 5 galls Brake Fluid, suitable for use with hydraulic braking on motor vehicles.

2. We are informed that SME has not received these stores and we shall be glad to know that the release to CIP NAPLES was arranged by you so that we in turn may inform SME accordingly.

JAMES P. GROWDON,
COLONEL CE,
Vice Chairman, AAI - C.E.B.

See (46)

4207

Declassified E.O. 12356 Section 3.3/NND No. 785019

(43)

A.A.I.
CENTRAL ELECTRICAL BOARD
HQ AAI CMF

REF: CEB/6/1

19 July 1944

SUBJECT:- Fuel and Lubricants

TO:- Azienda Governatoriale Elettricita ed Acque,
Via Milano, 61, ROMA.

1. Will you please submit to this office as soon as possible your requirements for fuel and lubricants for the months of July, August and September 1944.

2. Also on a separate demand please submit your estimated requirements for the months of October, November and December 1944.

3. We would prefer you to submit your demands, in duplicate, personally in order to save time. You should ask for the Central Electrical Board at the offices of the Societa Romana di Elettricita, Via Poli 14.

JAMES P. GRONDON,
COLONEL CE,
Vice Chairman, AAI-C.E.B.

4202

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I.
CENTRAL ELECTRICAL BOARD
HQ AAI CMF

REF: CEB/20/2

14 July 1944.

SUBJECT:- Electric Power Supply

TO:- HQ Rome Area Command.

1. The attached letter from the TERNI Coy. 685/E dated 11 July 44, is forwarded to you with a strong recommendation that their request be granted.

2. The work of rehabilitation of this Company's plants is of urgent military and civil importance and it is essential that the management and technical staff travel to and from their plants in connexion with this work.

3. This Company's plantsare also connected with that of the Naples area.

4. It would be appreciated if the release of gasoline could be effected at an early date.

JAMES P. CROMDON,
COLONEL CE,
Vice Chairman, AAI - C.E.B.

4202

COPY

To

685/E

CENTRAL ELECTRICAL BOARD

11th. July 1944

R O M E

1)- The undersigned "TERNI" - Società per l'Industria e l'Elettricità", owners of Industrial and Electric Plants in the provinces of Terni, Perugia, Rieti, Aquila and Teramo, have in service for the Rome Central Management Staff three cars duly entitled to circulation by Allied Offices.

2)- To keep such vehicles in operation, we request a montly supply (on regular payment) of 1,500 liters gasoline and 25 Kilos semi-dense lubricant oil.

3)- Amount requested is reckoned as follows :

- Lancia Aprilia car, license 59200 - in service for technical Managers - about 10 trips per month from Rome to the Works - each 300 km.

Total per month 3,000 Km.

- Lancia Aprilia car, license RA. 24246 - in service for Administrative Managers - about 10 trips per month as above - each 300 Km.

Total per month 3,000 Km.

- Fiat 1500 car, license RA. 5783 - in service for the

Declassified E.O. 12356 Section 3.3/NND No. 785019

1)- The undersigned "TERNI" - Società per l'Industria e l'Elettricità", owners of Industrial and Electric Plants in the provinces of Terni, Perugia, Rieti, Aquila and Teramo, have in service for the Rome Central Management Staff three cars duly entitled to circulation by Allied Offices.

2)- To keep such vehicles in operation, we request a montly supply (on regular payment) of 1,500 liters gasoline and 25 Kilos semi-dense lubricant oil.

3)- Amount requested is reckoned as follows :

- Lancia Aprilia car, license 59200 - in service for technical Managers - about 10 trips per month from Rome to the Works - each 300 km.

  Total per month 3,000 Km.

- Lancia Aprilia car, license NA. 24248 - in service for Administrative Managers - about 10 trips per month as above - each 300 Km.

  Total per month 3,000 Km.

- Fiat 1500 car, license LI. 5583 - in service for the President - presumably 6 trips per month as above (300 x 6 = 1,800 Km) - plus 2 journeys to Naples (600 x 2 = 1,200 Km)

  Total per month 3,000 Km.

4)- Considering that presente condition of roads and traffic doesn't allow to run more than 60 Km. per li-

4201

./.

Declassified E.O. 12356 Section 3.3/NND No. 785019

ters per month doesn't appear exceeding for the monthly distance we expect to be covered.

T E R N I
Società per l'Industria e l'Elettricità
F.to Bochicchio - Azzolini

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Declassified E.O. 12356 Section 3.3/NND No. 785019

AFHQ PETROLEUM SECTION
MAIN HQ. A.A.I.
C.M.F.

PET 19/3/4D
11 July 1944

SUBJECT: Fuel requirements Rome
electrical works

TO : Central Electrical Board HQ. ACC. CMF

1. Supplementing previous letter of the above date and same subject, we have today received a copy of:- "Fuel for Rome Power Stations" dated 25th June 1944, copy of which was apparently sent to you. This report is signed by Col. Birchett and is apparently an appeal to ACC for assistance in securing fuel and lubricants for their own power plants.

2. As these reports continue to flow in, it makes it all the more necessary that they be consolidated through you to prevent duplication.

3. As previously stated, we are taking no action on any report without your approval.

H. B. EYLES
Colonel
Petroleum Section

A. A. I.
OFFICIAL

CENTRAL
ELECTRICAL BOARD

Copy to Adv. HQ. ACC Industry
and Commerce Sub Commission.

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Declassified E.O. 12356 Section 3.3/NND No. 785019

AFHQ PETROLEUM SECTION
MAIN HQ. A.A.I.
C.M.F.

PET 19/3/4-D
11 July 1944

SUBJECT: Requirements of POL

TO : A.A.I. Central Electrical Board
HQ. A.A.I. C.M.F., Via Poli 14

39

1. This Section acknowledges receipt of your letters dated 9th July '44 file reference CEB/9/1, one of which covers the requirements of the Capuano steam plant for fuel for the months July through October, and the other covers the requirements of Società Romana di Elettricità at their San Paolo Steam Station for the months July through December 1944.

2. This Section is making arrangements to slate these requirements.

3. It should be pointed out that as yet this Section has no official knowledge of the requirements of the other two electrical companies operating in Rome, and it is desired that we are promptly supplied with this information.

4. Regarding payment for POL it seems well that first principles are again established.

5. It is the understanding of this Section that fuel will be supplied on military account, lubricants will be supplied by CIP on demand at the established retail price. It is further understood that demands received by this Section from any but the Central Electrical Board will not receive attention but will be referred to the Central Electrical Board.

6. It is requested that the Central Electrical Board will promptly communicate with the various electrical companies, consolidating their demands and transmit them to this Office.

H. B. EYLES
Colonel
Petroleum Section

Copy to CIP, Rome
" " the Civil Advisers.

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I.
CENTRAL ELECTRICAL BOARD
HQ AAI CMF

REF: CEB/6/1/

9 July 1944.

SUBJECT:- Requirements - P.O.L.

TO:- Petroleum Section, HQ AAI.
(Attention Lt-Col. KING).

1. Further to this office letter, CEB/6/1 dated 17 June 44, and referring to telephone conversation Lt-Col. KING/Major PRICE.

2. Below is listed a revised estimate for Bunker "C" (or equivalent) at CAPUANO Steam Plant, NAPLES.

3. CAPUANO STEAM PLANT. Estimated requirements of Bunker "C" or equivalent fuel oil:-

July	1000	Metric	Tons
August	1000	"	"
Sept.	1000	"	"
October	1000	"	"

4. The estimated requirements of Diesel Oil for DOGANNELLA Diesel Plant remain as listed in the above quoted letter.

JAMES P. GROWDON,
COLONEL CE,
Vice Chairman, AAI - C.E.B.

4197

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(38)

A.A.I.
CENTRAL ELECTRICAL BOARD
HQ AAI CMF

REF: CEB/6/1.

9 July 1944.

SUBJECT:- Requirements, P.O.L.

TO:- Petroleum Section, HQ AAI.
(Attention Lt-Col. NIID)

1. It has now been possible to ascertain the lubricant requirements up to and including December 1944 for the Societa Romane di Elettricita at their San Paolo Steam Station, together with requirements for their hydro stations, viz:-

	Gargoil DTE Light for steam turbines	Gargoil DTE heavy medium	Gargoil semi-dense Type B.	Vaseline Grease
	Kg.	Kg	Kg	Kg
July	4.900	250	50	130
August	2.500	350	50	130
September	100	850	50	130
October	100	600	50	130
November	100	350	50	130
December	100	350	50	130
TOTALS Kg.	7.800	2.750	300	780

2. It will be noted that the estimated quantities for July, August and Sept vary considerably with those quantities for the remaining three months of the year; this is due to the fact that it will be necessary to change the existing oil for new oil in the three steam turbine "groups", ie :-

Oil change, 2 groups, July
" " 1 group August.

3. With regard to DTE Heavy medium, September and October variation, this is due to the fact that additional hydro stations may be brought into use after repairs are effected.

JAMES P. CRUDDAS,
COLONEL CE,
Vice Chairman, AAI- C.E.B..

4196

Società Romana di Elettricità

Per azioni - Sede in Roma - C.P.C. Roma N.o 3241
capitale sociale L. 478.500.000 - versato

Roma (41) li
VIA POLI, 14

(37)

July 5th, 1944

N.

Central Electrical Board
Major PRICE

ROMA

Lubrification Oil needed for Electric Power Production Steam and Hydroelectric Plants-Second half of the Year 1944

1) STEAM STATION of S.Paolo

Considering the foreseen continuous working of at least two groups it seems to be opportune and prudent to effect a total change of lubrificating oil in the three groups which was to have been effectuated some time ago, but could not be on account of difficulties deriving from the state of war.

For the total change 2 400 Kg oil are needed for each group: Gargoil Oil D.T.E.Light for steam turbines, therefore in total 2400Kg by 3=7.200 Kg.

It will be necessary to change at least two groups during this month of July, the change of the third group could be put off till August next.

After this the monthly consumption for each group will be of 100 Kg.

For all other lubrification needs, included the pumping station, the monthly need is following:

Gargoil Oil D.T.E. heavy [illegible]

4195

Indirizzo Telegrafico ESPASI - Telegrammi: "Elettroma" Roma

Declassified E.O. 12356 Section 3.3/NND No. 785019

Central Electrical Board
Major PRICE

ROMA

Lubrification Oil needed for Electric Power Production Steam and Hydroelectric Plants-Second half of the Year 1944

1) STEAM STATION of S.Paolo

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It will be necessary to change at least two groups during this month of July,the change of the third group could be put off till August next.

After this the monthly consumption for each group will be of 100 Kg.

For all other lubrification needs,included the pumping station, the monthly need is following:

4195

Gargoil Oil D.T.E. heavy medium for motors: 150 Kg.
Vaseline grease Stauffer for bearing: 80 Kg.

2) HYDROELECTRIC STATIONS

For the actually working plants :Vesta,Mecenate,Nera Montoro, Cominacqua,Valci and other minor ones,as well as for Scalelle plant whose

./.

Ente Edizioni "Elettronica" - Edgymmit - Roma

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

entrance into service is to be expected next, the monthly want is of 25 Kg Gargoil Oil D.T.E. heavy medium for hydraulic turbines.

Besides these quantities those needed for a first filling and the successive exercise of Subiaco, Ceprano, Fa:fa II. are to be foreseen, of which the entrance into service is foreseen for the next six months according to an already establishe work plan.

Further the following monthly supply is needed for different usec at Stations and workshops:

50 Kg Vaseline grease
50 Kg Gargoil Oil-semidense type B

Therefore the foreseen need for the current next six months, fractioned for each month, is that which results from the following table:

Month	Gargoil D.T.E. Light for steam turbines	Gargoil D.T.E. heavy medium	Gargoil semi-dense Type B	Vaseline grease
	Kg.	Kg.	Kg.	Kg.
July	4.900	250	50.	130
August	2.500	350	50	130
September	100	850	50	130
October	100	600	50	130
November	100	350	50	130
December	100	350	50	130
TOTAL Kg.	7.800	2.750	300	780

4194

Società Romana di Elettricità

Per azioni - Sede in Roma - C. P. C. Roma N. 3215

capitale sociale L. 418.500.000 versato

Roma (23) li 8 Luglio 1944.

VIA POLI, 14

N.

Central Electrical Board

Major Price

R O M A

Telefoni - Telegrammi - Telefoni - Telegrammi - Telefoni - Telegrammi - Telefoni - Telegrammi

Fabbisogno olio lubrificante per impianti di produzione energia elettrica a vapore ed idroelettrici - 2° semestre 1944.

1°) CENTRALE TERMICA DI SAN PAOLO.

In considerazione del previsto funzionamento continuo di almeno due gruppi, si riterrebbe opportuno e prudente provvedere al ricambio totale dell'olio lubrificante dei tre gruppi, già previsto da tempo e non potuto effettuare per difficoltà derivanti dallo stato di guerra.

Per il ricambio totale occorrono Kg. 2400 di olio per ogni gruppo: Olio Gargoil D.T.E. Light per turbine a vapore, e cioè in totale Kg. 2400 x 3 = Kg. 7.200.

E' necessario provvedere al ricambio di almeno due gruppi entro il corrente mese di luglio e si potrebbe rimandare quello del terzo gruppo al prossimo mese di agosto. 2193

Ciò premesso, il consumo mensile per ogni gruppo sarà di Kg. 100.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Central Electrical Board

Major Price

R O M A

Fabbisogno olio lubrificante per impianti di produzione energia elettrica a vapore ed idroelettrici - 2° semestre 1944.

1°) CENTRALE TERMICA DI SAN PAOLO.

In considerazione del previsto funzionamento continuo di almeno due gruppi, si riterrebbe opportuno e prudente provvedere al ricambio totale dell'olio lubrificante dei tre gruppi, già previsto da tempo e non potuto effettuare per difficoltà derivanti dallo stato di guerra.

Per il ricambio totale occorrono Kg. 2400 di olio per ogni gruppo: Olio Gargoil D.T.E. Light per turbine a vapore, e cioè in totale Kg. 2400 x 3 = Kg. 7.200.

E' necessario provvedere al ricambio di almeno due gruppi entro il corrente mese di luglio e si potrebbe rimandare quello del terzo gruppo al prossimo mese di agosto. 2193

Ciò premesso, il consumo mensile per ogni gruppo sarà di Kg. 100.

Per tutti gli altri servizi di lubrificazione, compresa la stazione di pompaggio, occorrono i seguenti quantitativi mensili:

- Gargoil D.T.E. heavy medium per motori: Kg. 150;
- Grasso vasellinato Stauffer per cuscinetti a sfere: Kg.80.

./.

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Declassified E.O. 12356 Section 3.3/NND No. 785019

2º) CENTRALI IDRAULICHE.

Per l'esercizio degli impianti attualmente in funzione: Vesta, Mecenate, Nera Montoro, Comunacque, Vulci ed altri di minore importanza, nonchè di quello di Scalelle, di cui si prevede prossima l'entrata in servizio, occorrono mensilmente Kg. 250 di olio Gargoil D.T.E. heavy medium per turbine idrauliche.

Oltre a questi quantitativi, sono da prevedersi quelli necessari per il primo riempimento ed il successivo esercizio dei gruppi di: Subiaco, Ceprano, Farfa 2º, di cui si prevede l'entrata in servizio nel prossimo semestre secondo il programma di lavoro già stabilito.

Occorrono inoltre, per usi diversi di Centrali ed officina, i seguenti quantitativi mensili:

- Kg. 50 di grasso vasellinato;
- Kg. 50 di olio Gargoil semidenso tipo B.

o º o

Ciò premesso, il fabbisogno previsto per il semestre in corso, suddiviso per mesi, è quello risultante dalla seguente tabella:

Mese	Gargoil D.T.E. Light per turbine a vapore	Gargoil D.T.E. heavy medium	Gargoil semi denso tipo B	Grasso vasellinato
	Kg.	Kg.	Kg.	Kg.
Luglio	4.900	250	50	130
Agosto	2.500	350	50	130
Settembre	100	850	50	130
Ottobre	100	600	50	130
Novembre	100	350	50	130
Dicembre	100	350	50	130
TOTALE Kg.	7.800	2.750	300	780

SOCIETÀ ROMANA DI ELETTRICITÀ
DIREZIONE GENERALE

4192

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I.
CENTRAL ELECTRICAL BOARD
H.Q. A.A.I.
C.M.F.

CEB/6/1
Captain Rossan
Rome Air Command.

36

SUBJECT: Fuel.

(): ~~Ufficio Registrazione Autoveicola, via Panzelli 137~~ (Attention of Capt Cantini.)

1. It is urgently necessary that the officials of the, SOCIETA ESERCIZI ELETTRICITA be granted sufficient petrol to enable them to visit their hydro electric stations at,

ARIENZANO,
SULMONA
AQUILA
PENNE PESCARA
ASCOLI
PERUGIO

in order to ascertain the destruction with a view to bringing these plants into service.

2. The above mentioned Company will use a 27 HP Fiat car which consumes one litre per 5 KM and it is estimated that the distance ROME to ROME will be about 2,000 KM.

3. A circulating permit has already been granted which expires on 11 July 44, but no coupons were issued to enable the company to purchase petrol.

4. Will you please issue the necessary coupons or alternatively instruct the bearer where he may obtain petrol to cover this journey.

5. The work involved is considered to be of urgent military and civil importance.

JAMES P. CROWDON,
COLONEL CE,
Vice Chairman, AAI - C.M.E.

-5 JUL 1944

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P.S. Please refer to telephone conversation
Major Price - Col Lakeman this Am. -
6/7/44 Rome Major Pl

Declassified E.O. 12356 Section 3.3/NND No. 785019

(35)

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

PER AZIONI

SEDE IN NAPOLI

CAPITALE L. 1.125.000.000 - VERSATO L. 1.012.500.000

C. P. C. N. 21917

N. 50000/ 467 Vlkr/rg.

da citare nella risposta

Napoli, (105) 21-6-944

VIA P. E. IMBRIANI, 42

CENTRAL ELECTRICAL BOARD

HERE

Vi rimettiamo i dati circa la benzina occorrente per l'esecuzione delle prove spinterometriche sulle ns.linee a 150 kV Sila-Tusciano e Sila-Puglie :

- autocarri adibiti allo scopo	nº 3
- lunghezza complessive linee	Km. 510
- chilometraggio da percorrere	" 10000
- periodo di tempo necessario	giorni 30
- benzina richiesta a Salerno	lt. 1000
Crotone	" 1000
Taranto	" 1000

Vi preghiamo di voler avallare e raccomandare le alligate ns. richieste.

Ringraziamenti.

Telegrammi: TUSCIANO - NAPOLI

Translation

We notify here following the data about our request of the petrol needed to do the sparking tests at the insulators of our 150 kV lines Sila-Tusciano and Sila-Puglie :

- nº of trucks used	nº 3
- kilometres of lines	Km.510
- approx milege to run	" 10000
- nº of days to complete	days 30
- petrol required at Salerno	lts.1000
Crotone	" 1000
Taranto	" 1000

Application sent. Will you please grant and recommend the annexed allocations? 1195

CIP Taranto
20/6/44 CIP Salerno
14th Forestry Coy NZ.
Crotone. 22/6/44.

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

Mod. 7 (20.000) Tip. A. Trani 3-44

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I.
CENTRAL ELECTRICAL BOARD
APO 400

REF: CEB/6/1

17 June 44.

SUBJECT:- Requirements of Fuel Oil and Diesel Oil.

TO:- Petroleum Section, Adv AFHQ, CMF. APO 400/
(Attention Lt-Col. J. KING)

1. Further to this office letter dated 25 Feb 44 which listed the estimated requirements for Fuel Oil andDiesel oil, March to September 1944, inc.

2. Listed below is revised estimate for the months of July - Sept inc. for the 2 No Naples generating plants and it would be appreciated if you would make these quantities available.

3. Capuano Steam Plant. Estimated requirements of Bunker "C" or equivalent fuel oil:-

July	400	metric	tons
August	450	"	"
Sept.	450	"	"

Doganella Diesel Plant.

July	370	metric	tons
August	370	"	"
Sept.	450	"	"

4. All the above are required for the generation of electric power and delivery should be arrange for Naples.

JAMES P. CROWDON.
COLONEL CE.
Vice Chairman, AAI - C.E.B.

4184

Declassified E.O. 12356 Section 3.3/NND No. 785019

8 Diesel - Voltages x

Use

3000 kw for 10 hrs per day
25 days per mo = 250 hrs
= 750,000 kwh per mo -

750000 x
.35
375
225
262,50000

8 JUL 1944

Declassified E.O. 12356 Section 3.3/NND No. 785019

Cafeteria steam plant -
12 hrs per day 25 days per mo -
300 hrs per mo -

Load 5000 KW -

300
1,500,000 KWH - per mo -
.7
1050000

5000
250
1,250,000 KWH per mo -
.7
875000 Tons per mo -

1,000 x Tons per mo -

Diesel

3000 KW for 12 hrs - 25 days per mo -
300
900000
300 x 2# T

4187
8 JUL 1944

Declassified E.O. 12356 Section 3.3/NND No. 785019

Mod. S 3 - 7942 (6000)

(33)

ENTE AUTONOMO VOLTURNO

Legge 8 luglio 1904 n. 351 - R. D. L. 28 aprile 1937 - XV n. 700
(173) NAPOLI – VIA CISTERNA DELL'OLIO, 44 – NAPOLI (173)
SEDE PROPRIA
MAS:edb C. P. C. NAPOLI N. 4980

Prot. N. 3146

11th June 1944

Col.CROWDON
Central Electrical Board

NAPLES

SUBYECT:Application for fuel oil.-

In ottemperanza di istruzioni a noi impartite dal Comandante Hoggan, dovremo costituire presso la ns/Centrale termica una scorta di nafta sufficiente per tre mesi di funzionamento. Tale scorta vien calcolata intorno alle 600 ton.di nafta su una base di 20.000 kWh giornalieri.

E' noto alla S.V. che la nostra produzione di energia termica vienfatta come energia di integrazione e di rifasamento di quella in arrivo a Napoli dietro ordine della S.M.E. che a sua volta dipende da Voi.

La detta produzione sarebbe impossibile fare per nostro conto,per lo meno per quanto riguarda il combustibile,in quanto il costo del kWh prodotto risulta molte volte superiore al prezzo di vendita del kWh sulla piazza.

Vi preghiamo voler dare disposizioni per la costituzione di tale scorta,tenendo presente che un tale eventuale addebito non sarebbe sopportabile dalla nostra Azienda.

Distinti saluti.

V.

In accordance with instructions given us by Commander Hoggan,we must set up a stock of fuel oil to be sufficient for three months' operation at our thermic station.This stock is estimated at about 600 tons of fuel oil,on the basis of a daily output of 20.000 kWh.

As you are aware,thermic power is generated by us for integration and power factor compensation of power arriving at Naples on directions by S.M.E., which latter depends on you.We should be unable to generate this kind of power on our own behalf,at least as far as fuel is concerned,for the cost of each kWh generated is much higher than the price at which the kWh is sold to users.

We kindly request you to arrange for the above mentioned stock of fuel to be set up,but,should it be proposed to debit us with the cost of the supply,will you please take into account that the expense involved could not be possibly met by us.

Yours faithfully

Declassified E.O. 12356 Section 3.3/NND No. 785019

(32)

Advanced AFHQ
Petroleum Section
C.M.F.
A.P.O. 400

PET 19/3/4
28 May 1944.

SUBJECT: Lub Oils for Societa Meridionale di Elettricita

TO : CIP, 9 Via del Chiostro, Naples

(31)

1. Reference your letter N.70 dated 11 March 1944.

2. You will please arrange to deliver at an early date the following quantities of lubricants, still outstanding against demand dated 29 Feb 44.

Vacuum DTE heavy medium or Shell DC No 885		3.8 tons
Vacuum DTE Glicol Spido		.185 "
Vacuum Arctic		.875 "
Vacuum BRB No.2 / Shell F No.2	grease	2.3 "
Shell FD No.12	grease	2.3 "
Shell F No.12	grease	1.5 "

3. AAI Central Electrical Board call attention to ex ACIP Oil 204 which was delivered as a substitute for Vacuum DTE heavy medium, stating that the 204 oil is of a lower quality and suggesting that the matter be examined before the balance above requested is delivered.

4. It is suggested that Sig. Vetri contact Societa Meridionale di Elettricita to investigate the complaint.

5. The following requirements have been submitted to cover the period September 1944 to February 1945

Vacuum DTE heavy medium or Shell DC No.8	8 tons
Vacuum DTE Glicol Spido	2 "
Vacuum Arctic	2 "
Vacuum BRB No.2 or Shell F No.2 Grease	4 "
Shell FD 12 Grease	4 "
Shell F 12 Grease	3 "

4185

H. B. [illegible]
Colonel
Petroleum Section

cc: AAI, Central Electrical Board
AFO 400

103

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I.
CENTRAL ELECTRICAL BOARD
APO 400

REF: CEB/6/1

25 May 1944

SUBJECT:- Requirements of Lubricating Oils.

TO:- Petroleum Section, HQ AAI (Rear Adm Fch).

1. Further to this office letter of 29 Feb 44 and your reply, ref Pet/19/3/4 dated 14 Mar 44, para 5.

2. Attached list "A" shows the quantity of oils which the Societa Meridionale di Elettricita still require up to and including August 44, being the quantity outstanding against the original demand dated 29 Feb 44.

3. Your attention is called to Item 1 on list "A", i.e. Vacuum DTE heavy medium grade for which oil ex AGIP 204 was released to the S.M.E. as a substitute. Oil ex AGIP 204 is considered by the S.M.E. to be a substitute of a lower quality than Vacuum DTE heavy medium. It is suggested therefore, that this question be examined before further release is authorized.

4. List "B" indicates the estimated requirements for the six months Sep 44 to Feb 45 inclusive, which list is submitted to you in advance since it is assumed that these lubricants will have to be imported.

5. Will you please arrange to release to the S.M.E. at an early date the quantities of lubricants that are outstanding against the demand dated 29 Feb 44, as the stocks held by S.M.E. are getting low.

JAMES P. CROWDON,
COLONEL, CE,
Vice Chairman, AAI - C.E.B.

4184

Declassified E.O. 12356 Section 3.3/NND No. 785019

CEB/6/1 dated 25 May 44.

LIST "A"

Type	Tons
Vacuum DTE heavy medium or SHELL BC No 885	3.8
Vacuum DTE Glicoil Spido	.185
Vacuum Arctic	.875
Vacuum BRB No 2) grease Shell F No.2)	2.3
Shell MD No 12 grease	2.3
Shell F No 12 grease	1.5

(or equivulent grades)

These quantities are outstanding against the orginal demand, see CEB letter dated 29 Feb 44.

Declassified E.O. 12356 Section 3.3/NND No. 785019

CEB/6/1 dated 25 May 44

LIST "B"

Type	Tons
Vacuum DTE Heavy medium or Shell BC No 8	8
Vacuum DTE Glicol Spido	2
Vacuum Arctic	2
Vacuum BRB No 2 or Shell F No 2 Grease	4
Shell FD 12 Grease	4
Shell F 12 Grease	3

(Or equivalent grades)

Declassified E.O. 12356 Section 3.3/NND No. 785019

SOCIETÀ MERIDIONALE DI ELETTRICITÀ
PER AZIONI
SEDE IN NAPOLI
CAPITALE L. 1.125.000.000 – VERSATO L. 1.012.500.000

C. F. C. N. 21917

Napoli, (105) 20-5-944
VIA P. E. IMBRIANI, 42

Telegrammi: TUSCIANO - NAPOLI

30

N. 14332/395 VMx/rf
da citare nella risposta

CENTRAL ELECTRICAL BOARD

H E R E

Olii lubrificanti

Ci riferiamo agli accordi presi col Vs/ Magg. Price.

Vi rimettiamo, qui allegati:

- 1 specchio, già da noi precedentemente inviato al Col. Lapper, riguardante il ns/ fabbisogno mensile per ciascun tipo di olio fino al mese di febbraio del prossimo anno e le scorte già esistenti presso di noi -

- 1 specchio contenente le quantità di olio da noi richieste in assegnazione e le quantità assegnateci e da noi ricevute.

Vi facciamo presente che non abbiamo ordinato l'olio ex Agip 205 e lo olio ex Agip 157 assegnatici perchè il C.I.P. ci aveva offerto detti olii in sostituzione del Diesel Crankcase lubr. oil e Diesel Cylinder lubr. oil che da noi non erano stati richiesti.

All.2 Riteniamo inoltre che l'olio ex Agip 204, offertoci dal C.I.P. in sostituzione del Vacuum DTE Heavy Medium sia di qualità inferiore a questo, ed a tal proposito ci proponiamo di eseguire rigorose prove.

Translation

Lubricating oils

According to the agreement with your Maj. Price, herewith we enclose:

- a sketch, previously we sent to Col. Lapper showing our monthly need for each type oil until the next year's February month and the stoks we got -

- a sketch showing the allotment of oils we asked for and what we have obtained the allocation of and we have received.

We notify you we have not ordered the allocated oils ex Agip 205 and ex Agip 157 because the C.I.P. had offered them to substitute the Diesel Crankcase lubr. oil and the Diesel Cylinder lubr. oil we has not requested.

We think moreover the oil ex Agip 204, the C.I.P. gave us to substitute the Vacuum DTE Heavy Medium, be of lower quality and we have the purpose to do

Encl. 2 some serious tests in that way.

Mod. 7 (20.000) Tip. A. Trani - 3-42
19/5/44

Declassified E.O. 12356 Section 3.3/NND No. 785019

LUBRICATING OILS

Our request		Allocated Through C.I.P.		Ordered
Types	Quantities tons.	Types	Quantities tons.	Types
- Vacuum DTE Heavy Medium or BOB Shell Oil	10 5	- Ex Agip 204 oil	1,25	- Ex Agip 20
- Vacuum DTE or Glicoil Spido	0,5	- Ex Agip 205 oil	0,065	- Ex Agip 20
- Vacuum Arctic Oil	1	- Ex Agip 141 oil	0,125	- Ex Agip 14
- Vacuum BRB2 or Shell F2 Oil	6	- ex Agip 8 grease	0,6	- Lubrifix S
- FD12 Shell grease	6	- Ex Agip 451 oil	0,75	- Ex Agip 45
- F12 Shell grease	3,5	- Ex Agip 10 grease	0,5	- Ex Agip 10
		- Ex Agip 205 oil	3,75	
		- Ex Agip 157 oil	3,94	

VMx/rt
19/5/44

Declassified E.O. 12356 Section 3.3/NND No. 785019

LUBRICATING OILS

t		Allocated Through C.I.P.		Ordered and received	
	Quantities tons.	Types	Quantities tons.	Types	Quantities tons.
		- Ex Agip 204 oil	1,25	- Ex Agip 204 oil	1,2
	10 5				
		- Ex Agip 205 oil	0,065	- Ex Agip 205 oil	0,065
	0,5				
	1	- Ex Agip 141 oil	0,125	- Ex Agip 141 oil	0,125
		- ex Agip 8 grease	0,6	- Lubrifix SRN Romsa gr.	0,7
	6				
	6	- Ex Agip 451 oil	0,75	- Ex Agip 451 oil	0,7
	3,5	- Ex Agip 10 grease	0,5	- Ex Agip 10 grease	0,5
		- Ex Agip 205 oil	3,75		
		- Ex Agip 157 oil	3,94		

Declassified E.O. 12356 Section 3.3/NND No. 785019

MONTHLY REQUIREMENT FOR LUBRICATING OILS AND GREASE

STOCKS

Quality	Monthly requirement - Tons. 1944							
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
- Vacuum DTE Heavy Medium or BC8 Shell Oil	1	1	1	1	1	0,5	0,5	0,5
- Vacuum DTE or Glicoil Spido	0,25							
- Vacuum Artic Oil	0,5							
- Vacuum BRB2 or Shell F2 ~~Gl2~~ Grease ?	1	1	1					
- FD12 Shell Grease	2	1	1					
- F12 Shell Grease	1	1						

Vlir/rf
19/5/44

Do these estimates include for additional
is expected & he fuel into service d
six months.

AO

Declassified E.O. 12356 Section 3.3/NND No. 785019

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MONTHLY REQUIREMENT FOR LUBRICATING OILS AND GREASE

STOCKS

	Monthly requirement – Tons.										STOCKS Tons.
	1944								1945		
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
Heavy Medium Oil	1	1	1	1	1	0,5	0,5	0,5	0,5	1	1
pids	0,25								0,25		0,05
Oil	0,5								0,5		0,10
Oil (Grease?)	1	1	1						1	1	0,10
reas	2	1	1						1	1	0,08
base	1	1								1	0,25

These estimates include for additional plant that is expected to be put into service during the next six months.

MO

Declassified E.O. 12356 Section 3.3/NND No. 785019

(29)

HEADQUARTERS
ALLIED CONTROL COMMISSION
INDUSTRY & COMMERCE SUB-COMMISSION
APO 394

ASB/jf1

Ref. ACC/5146/IC

16 May 1944

SUBJECT: P.O.L. Supplies

TO : Central Electrical Board, AAI

(27)

1. Your CEB/6/1 of 12 May 44 refers.

2. As advised previously all Civilian POL requirements should be bid through local supply officers of the province or region where vehicles are normally stationed.

3. Brake Fluid is packed in 1-gallon cans and there is no indication in your letter as to where you want it made available.

4. If you will advise further we may be able to help you.

By command of Lieut. General MASON MACFARLANE:

W. P. EVANS
Colonel
Director, Industry & Commerce
Sub-Commission

A. A. I.
OFFICIAL
6/1 20/5/44
CENTRAL
ELECTRICAL BOARD

Spoke Col King re last
who will arrange
& C.I.P 22/5/44.

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Declassified E.O. 12356 Section 3.3/NND No. 785019

HEADQUARTERS
ALLIED CONTROL COMMISSION
INDUSTRY & COMMERCE SUB-COMMISSION
APO 394

ASB/jr1

Ref. ACC/5146/IC

16 May 1944

SUBJECT: P.C.L. Supplies

TO : Central Electrical Board, AAI

1. Your CEB/6/1 of 12 May 44 refers.

2. As advised previously all Civilian POL requirements should be bid through local supply officers of the province or region where vehicles are normally stationed.

3. Brake Fluid is packed in 1-gallon cans and there is no indication in your letter as to where you want it made available.

4. If you will advise further we may be able to help you.

By command of Lieut. General MASON MACFARLANE:

W. P. EVANS
Colonel
Director, Industry & Commerce
Sub-Commission

Declassified E.O. 12356 Section 3.3/NND No. 785019

Advanced AFHQ
Petroleum Section
C.M.F.
A.P.O. 400

PET 19/3/1
12 May 1944

SUBJECT: AGIP Lubricating Oil No.157

TO : CIP, 9 Via Del Chiostro, Naples

1. Please refer to this office letter PET 19/3/1 dated 22 April 1944 and advise if the 15 tons of AGIP Lubricating Oil No.157 needed by the Volturno Generating Station is still available at the AGIP Depot Avellino and when it can be picked up.

[illegible]
Colonel
Petroleum Section

cc: Central Electrical Board, ACC, APO 394
(Att: Major Price)

Declassified E.O. 12356 Section 3.3/NND No. 785019

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A.A.I.
CENTRAL ELECTRICAL BOARD
APO 400

REF: CEB/6/1

12 May 44

SUBJECT:- POL Supplies

TO:- Ind. & Com. Sub-Commission,
HQ A.C.C.

1. Will you please arrange release to C.I.P. for the Societa Meridionale di Elettricita the following:-

5 galls Oil fluid, suitable for use in the hydraulic braking systems of cars and trucks of the s/m Societa.

2. This application is made in accordance with AFHQ Adm Memo No 11, Section II, para 3(b) and Section IX, para 16.

JAMES P. CROWDON,
COLONEL CE,
Vice Chairman, AAI - C.E.B.

See 29

Declassified E.O. 12356 Section 3.3/NND No. 785019

(26)

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

PER AZIONI

SEDE IN NAPOLI

CAPITALE L. 1.125.000.000 - VERSATO L. 1.012.500.000

C. P. C. N. 2912

N. 50000/303

da citare nella risposta

Napoli (105) 11-5-944

VIA P. E. IMBRIANI, 42

CENTRAL ELECTRIC BOARD

H E R E

VMr/rg.

Per la manutenzione dei ns. autoveicoli, abbiamo bisogno di :

- Kg. 25 olio speciale per freni idraulici.

Poichè il C.I.P. è attualmente sprovvisto di tale olio che manca del tutto sul mercato, Vi preghiamo di voler gentilmente provvedere affinchè veniamo in possesso di quanto ci occorre.

Ringraziamenti.

Translation

For the maintenance of our moto-cars we need:

- 25 Kgs. (about 5 Gls) oil for moto-cars hydraulic brakes.

We know that the C.I.P. has not at present any such oil and as it is absolutely lacking on the market we beg you to kindly take the necessary steps in order we obtain what we need.

With many thanks.

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

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Telegrammi: TUSCIANO - NAPOLI

Mod. 7 (20.000) Tipi A. Trani 3/43

Declassified E.O. 12356 Section 3.3/NND No. 785019

Advanced AFHQ
Petroleum Section
C.M.F.
A.P.O. 400

6/1 5/20

PET 19/3/1
7 May 1944

SUBJECT: Transformer Oil for S.M.E.

TO : C.C., P.B.S., APO 782

1. Please release 74 tons (451 bbls) Transformer Oil for use in Castellammare Electric Station.

2. This material will be moved by S.M.E. to the station. A representative of S.M.E. will call on the POL Officer for instructions as to the location of dump storing this product and for proper release.

H. B. LYLES
Colonel
Petroleum Section

cc: Central Electrical Board, ACC

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Declassified E.O. 12356 Section 3.3/NND No. 785019

WAR DEPARTMENT
Q. M. C. Form No. 160
(Revised Apr. 6, 1931)

REQUISITION

To: CC FES (POL SEC) No. of Sheets 1 Sheet No. 1

Requisition No. CEB/13/2/1 Date 8 May 1944 Period Special

SHIP TO SOCIETA MERIDIONALE DI ELETTRICITA, NAPLES.

REQUISITIONED By (show Signature, Rank, Organization, Destination. If different from "SHIP TO" include address):

James P. Brocadon
COLONEL CE,
Vice Chairman, AAI - C.E.B.

APPROVED By:

STOCK No.	ARTICLES	UNIT	ON HAND AND DUE	CONSUMED	REQUIRED	APPROVED
None	TRANSFORMER OIL	Tons	-	-	74	

DELIVERY :- To be collected.

JUSTIFICATION:-

Above quantity of transformer oil urgently required for the S.M.E. in order that the electric power system supplying essential military and civil needs may continue to operate.

U. S. GOVERNMENT PRINTING OFFICE 16-25027-1

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INSTRUCTIONS FOR PREPARATION OF REQUISITION

Space "TO."—To show the approving office to which requisition is submitted.

Space "PERIOD."—Show period for which the supplies are required.

Space "SHIP TO."—Full shipping address to be given. Where mail address is different from shipping address the former should also be shown, e. g., "Q. M., Fairfield Air Depot, Osborn, Ohio. Mail address, Fairfield." Except for established camps, posts, or stations, street or building address should be shown, e. g., "C. O. 328th Inf., National Guard, 456 Republic Bldg., Grand Haven, Mich." Where the property is to be invoiced to an organization, etc., different from that to which it is to be shipped, the required information will be shown.

Space "STOCK No."—Show stock number listed in Federal Stock Catalogue.

Space "ARTICLES."—Include sizes required. Show purpose numbers applicable to an article or group immediately above the article or group concerned.

Space "ON HAND AND DUE."—Show the quantity on hand plus the quantity approved on previous requisitions and not yet received.

Space "CONSUMED."—Show quantity consumed during the previous period.

Space "REQUIRED."—To be the quantity asked for by the requisitionist.

Space "APPROVED."—To be the quantity approved by the approving officer.

This form may be used in lieu of Q. M. C. Forms Nos. 402, 409, and 410 by appropriate modification.

IN THE SPACE BELOW SHOW BASIS FOR REQUISITION, i. e., Strength of Command, Number of Animals, Number of Animal-Drawn and Motorized Vehicles, Armament, or such other data as may be required by instructions issued by approving authorities.

THIS SPACE FOR ACTION OF APPROVING OFFICER

16—25677-1

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SOCIETÀ MERIDIONALE DI ELETTRICITÀ

(23)

MEMORANDUM FOR COL. GROWDON.

On Feb.28 th last we had requested,amongst other materials, 20 Tons transformer oil to be delivered in April and 50 Tons to be delivered in May.As far,we have got no oil at all.

We point out that the following transformers and circuit breakers should remain out of service on account of lack of oil:

CAPUANO	10/60 kV.	20.000	kVA transf.	Oil required	20,0 Tons ✓
MATESE	10/60 "	12000	" "	" "	9,0 "
	10/10 "	500	" " (2 units)	" "	4,0 "
	60 "		circuit breakers	" "	2,5 "
	10 "		" "	" "	0,5 "
S.MANGO s/C.	10/60"	11500	kVA transf.	" "	8,5 "
	60/30/10"	3000	" " (to complete filling)		2,0 "
	60 "		circuit breakers	" "	1'0 "
BENEVENTO	60/15 "	2000	kVA transf,(to compl.fill.)	"	1,5 "
	60 "		circuit breakers	" "	1,0 "
	15 30 kV		" "	" "	2,0 "
POGGIOREALE	60/9 "	12000	kVA transf.	" "	22,0 "
			total requirement		74,0 Tons

To put in operation all these transformers and breakers we should therefore get the 76 Tons of oil we have already mentioned.

We thank you

Napoli,May 7th 1944

GC/gc

Mod. 8 (12.000) Tipi A. Trani - 1-1941

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(22)

HEADQUARTERS
ALLIED CONTROL COMMISSION
INDUSTRY & COMMERCE SUB-COMMISSION
APO 394

ASB/ejc

Ref. ACC/5146/1/IC

17 April 1944

SUBJECT: P.O.L. Supplies

TO : A.A.I. Central Electrical Board
APO 400

(21)

1. Your CEB/6/1 of 11 April 44 and conversation Major Brereton-Major Price refers.

2. All supplies of POL for motor vehicles should be obtained locally in the area where the vehicle operates by application to the local licensing authority for a Circulation Permit and POL Allocation.

2. Special allocations cannot be made by this HQ or Petroleum Section and all applications should go through the normal channels; it is understood however that bulk allocations to the Province will be sufficient to take care of your vehicles.

4. It is suggested that you write to the local licensing authority through AMG Regional Office giving details of the vehicles, their use, and an indication of the mileage likely to be covered so that the necessary authorisations may be given. (Existing permits and POL Allocations Expire 30 April.)

For Lieutenant General MASON MACFARLANE:

John S. Todd
Col

W. P. EVANS
Colonel
Director, Industry & Commerce
Sub-Commission

Copy to:
Pet Sec
Advanced AFHQ CMF
APO 400

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Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I.
CENTRAL ELECTRICAL BOARD
A.P.O. 400

REF: CEB/6/1

(21)

11 April 44.

SUBJECT:- Vehicle Fuel Allotment for Societa Meridionale di Elettricita

TO:- Supply Officer,
HQ ANG/ACC, CMF.

1. The following quantities of fuel are required for the month of April 1944 by the a/m Societa, and the fuel should be made available in the districts where the vehicles normally operate, viz :-

SALERNO	1630	litres	Gasoline
FOGGIA	400	"	"
BARI	980	"	"
TARANTO	490	"	"
CROTONE	1590	"	"
CROTONE	820	"	Diesel Oil.

2. This application is made in accordance with AFHQ Administrative Memorandum No.11 dated 29 Feb 44, paragraph IX sub para. 17.

3. The vehicles concerned are in possession of circulating permits.

JAMES P. CROWDON,
COLONEL CE,
Vice Chairman, AAI - C.E.B.

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Advanced AFHQ
Petroleum Section
C.M.F.
A.P.O. 400

PET 19/3/4
6 April 1944

SUBJECT: Vehicle Fuel Allotment for
Societa Meridionale di Elettricita

TO : AAI, Central Electrical Board, APO 400

1. Reference your CEB/6/1. of 4/4/44, Your application for petroleum requirements for the vehicles of S.M.E. was inadvertently sent to this Section.

2. The position was explained by Major Fagan to Major Renton regarding method for securing petroleum for vehicular traffic.

3. The procedure is as follows: application should be made to ACC/AMG in the area in which the vehicles normally operate for

1. circulating permit
2. petroleum coupons

to cover requirements for one month. A special form Pet-Fuel No.1 on which application should be made can be obtained from AMG licensing authority.

4. It would be advisable for your Section to advise AMG/ACC authorities as to quantities of petroleum that you are satisfied are required by S.M.E.

H. B. EYLES
Colonel
Petroleum Section

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A.A.I.
CENTRAL ELECTRICAL BOARD
A.P.O. 400

REF: CEB/6/1

4 April 1944

SUBJECT:- Vehicle Fuel Allotment for Societa Meridionale di Elettricita

TO:- Petroleum Section, HQ AAI (Adm Echelon)
(Attention Lieut-Colonel KING)

1. The application for fuel by the Societa Meridionale di Elettricita for the month of April 1944 has only just been received in this office.

2. For the month of April the S.M.E. requirements are :-

NAPLES	15290	litres	Gasoline
SALERNO	1630	"	"
FOGGIA	400	"	"
BARI	980	"	"
TARANTO	490	"	"
CROTONE	1590	"	"
	20380	TOTAL	"

NAPLES	4750	litres	Diesel Oil	
CROTONE	820	"	"	"
	5570	TOTAL		

3. Of the above totals the S.M.E. have been allotted for the month of April

NAPLES	15000	litres	Gasoline
"	3000	"	Diesel.

therefore the S.M.E. still require

NAPLES	290	litres	Gasoline
"	1750	"	Diesel Oil
SALERNO	1630	"	Gasoline
FOGGIA	400	"	"
BARI	980	"	"
TARANTO	490	"	"
CROTONE	1590	"	"
CROTONE	820	"	Diesel Oil.

4. The additional requirements mentioned above are due to the increased number of vehicles made available in order to carry out maintenance and repairs to the electrical system of occupied Italy.

5. We have asked the S.M.E. to let us have their estimated requirements for May 1944 in good time to allow us to pass on the application by the specified date.

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James P. GROWDON
COLONEL CE
Vice Chairman AAI & C.E.B.

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AP 577

(18)

ALLIED FORCE HEADQUARTERS
AFO 512

JEH/wp

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ADMINISTRATIVE MEMORANDUM)
NUMBER 11)

28 February 1944

ISSUE OF PETROLEUM PRODUCTS FOR THE USE OF ITALIAN CIVILIANS AND ITALIAN ARMED FORCES

SCOPE.....I
CIVIL, - REQUIREMENTS.....II
CIVIL, - ALLOCATIONS.....III
CIVIL, - DISTRIBUTIONS.....IV
CIVIL, - AUTHORIZED USERS.....V
CIVIL, - ACCOUNTING PROCEDURE.....VI
CIVIL, - REPORTS OF ISSUES.....VII
CIVIL, - PRICES.....VIII
CIVIL, - REQUIREMENTS FOR ALLIED MILITARY ACCOUNT.....IX
ITALIAN MILITARY REQUIREMENTS.....X
ITALIAN NAVAL AND AIR FORCE REQUIREMENTS.....XI
TRANSFER OF RESPONSIBILITY.....XII

I. SCOPE.

1. The provisions of this Memorandum will extend to the issues of, and accounting for, petroleum products issued for Italian civilian and Italian Armed Forces use in ITALY, SICILY, and SARDINIA.

II. CIVIL, - REQUIREMENTS.

2. The requirements of the civilian users for various areas in ITALY, SICILY, and SARDINIA will be computed and forwarded to Petroleum Section, AFHQ (Naples), not later than the 20th of the month preceding that in which delivery is required, where they will be reviewed and appropriate allocations of products made.

3. The following headquarters will be responsible for requirements as stated in paragraph 2 above, for the respective areas under their control:

a. Allied Military Government, Allied Control Mediterranean Force (Forward of rear army boundaries)

b. Headquarters, Allied Control Commission (Rear of army boundaries in areas not controlled by Italian Government)

c. The Italian Government through the Allied Control Commission (In areas controlled by Italian Government)

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Administrative Memorandum # 11
dtd 28 February 1944 (Cont'd).

d. The Italian Government through the Allied Control Commission for Sicilian requirements.

e. The Italian Government through the Allied Control Commission for Sardinian requirements.

4. Petroleum Section, AFHQ (Naples) will consolidate these requirements as forwarded by the various agencies above and publish allocations of petroleum products to the responsible distributing and releasing agencies.

III. CIVIL, - ALLOCATIONS.

5. Petroleum Section, AFHQ (Naples) will transmit monthly allocations of petroleum products for civil use through appropriate channels to the Deputy Director of Supplies and Transport, FLISCO; Commanding General, Peninsular Base Section; Deputy Director of Supplies and Transport, Number 1 District; Commander-in-Chief, Mediterranean; Commander-in-Chief, Army Air Force Service Command; and Petroleum Section, AFHQ (SARDINIA), authorizing the release of specific quantities to CIP (Comitato Italiano Petroli). These allocations will specify the releasing and receiving agency or agent in each geographical area.

6. Where local stocks are imperilled by the allotments so made or where other questions arise in a particular allotment, the matter will in cases of urgency, be referred directly to the Petroleum Section, AFHQ (Naples) for decision, information copies being addressed to appropriate higher authorities.

IV. CIVIL, - DISTRIBUTION.

7. Civil distribution will normally be accomplished in rear of Army boundaries by member companies of CIP. In the event that unusual circumstances prevent CIP from accomplishing adequate distribution because of lack of transport or other causes, special arrangements for the release of petroleum products for civil use may be arranged by CIP's referring the matter directly to Petroleum Section AFHQ (Naples), stating full particulars of the difficulty encountered.

8. In no instance will stocks held by the military be released to the Italian civil population without adequate authority originating from Petroleum Section, AFHQ (Naples), except where operationally necessary.

9. Forward of rear boundary of Army areas, Allied Military Government, Allied Central Mediterranean Force will be responsible for accomplishing the distribution of petroleum products for civil use, and will make such distribution as is deemed necessary until such time as operation by CIP can be arranged and implemented. Receipts for all products so distributed will be obtained. Allied Military Government, Allied Central Mediterranean Force will advise Petroleum Section, AFHQ (Naples), of such distribution as is made, and receipts forwarded with advice.

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V. CIVIL, - AUTHORIZED USERS.

10. Authorized users of petroleum products in ITALY, SICILY, and SARDINIA are presently defined in AFHQ Advanced Administrative Echelon Administrative Instruction Number 12. Attention is directed to this Instruction, and compliance therewith in ITALY, SICILY, and SARDINIA is directed.

VI. CIVIL, - ACCOUNTING PROCEDURE.

11. Deputy Director of Supplies and Transport, PLACO; Commanding General, Peninsular Base Section; Deputy Director of Supplies and Transport Number 1 District; and Petroleum Officer, Petroleum Section, AFHQ (SARDINIA); will obtain receipts from CIP for all petroleum products released against authorized allocations in their respective areas. These receipts will be transmitted at the end of each month to the Petroleum Section, AFHQ (Naples).

12. Receipts will cover quantities and types of products delivered to the CIP. Prices will not be included on any receipts so prepared.

VII. CIVIL, - REPORTS OF ISSUES.

13. Deputy Director of Supplies and Transport PLACO; Commanding General, Peninsular Base Section; Deputy Director of Supplies and Transport Number 1 District; Petroleum Officer, Petroleum Section, AFHQ (SARDINIA); and Supply Officer, Allied Military Government, Allied Central Mediterranean Force, will forward monthly to the Petroleum Section, AFHQ (Naples) a consolidated report of issues made. Each headquarters will include in their respective reports such quantities as have been issued by other supply agencies, i.e. Commander-in-Chief, Mediterranean; Director of Ordnance Services; or any other source in accordance with allocations, issued by Petroleum Section, AFHQ (Naples).

VIII. CIVIL, - PRICES.

14. Prices of petroleum products released to CIP will be established by Petroleum Section, AFHQ (Naples).

15. Retail prices will be established by Headquarters, Allied Control Commission in coordination with Petroleum Section, AFHQ (Naples).

IX. CIVIL, - REQUIREMENTS FOR MILITARY ACCOUNT.

16. Requirements for civil contractors working for Allied Military account will be drawn through CIP. No direct issues to contractors or to civilian owned motor vehicles working for military account will be made from military stock.

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17. The Deputy Director of Supplies and Transport, FLAMBO; Commanding General, Peninsular Base Section; Deputy Director of Supplies and Transport, Number 1 District; Petroleum Officer, Petroleum Section, AFHQ (SARDINIA); and Supply Officer, Allied Military Government, Allied Central Mediterranean Force, after verification of requirements of civilian contractors, will issue letters of authorization to the contractor, authorizing him to draw petroleum products during the current month in a designated quantity. Copies of these letters will be forwarded to Petroleum Section, AFHQ (Naples). Letters will state the approximate location from which the contractor will desire to draw products for the month.

18. The contractor will present this letter to the Local Rationing Authority who will issue the necessary circulating permits and deliver required coupons authorizing the contractor to draw Petroleum Products from CIP at the official civilian price. Consideration will be given by rationing authority to the quantities of valid coupons for fuel already held by the contractor.

19. Petroleum Section, AFHQ (Naples) will incorporate these quantities in their monthly allocations.

20. In the event that stocks are restricted by any consideration, the requirements for these contractors will take priority of issue over requirements for other Italian civil use.

21. The Local Rationing Authorities will immediately forward to Petroleum Section, AFHQ (Naples), details (in triplicate) of coupons issued against authenticated letters.

X. ITALIAN MILITARY REQUIREMENTS.

22. Italian formations serving with the Allied Armies will, if they are located in the Army Areas, normally be supplied ex Rail/Road Head through their own maintenance channels. Italian Army units serving with the Allied Armies in Army Areas, and Italian units, and units diluted with Italians, which form a permanent part of the Allied Order of Battle, will be supplied as if they were Allied units, through the normal U. S. or British maintenance systems.

23. Italian Army units not included in paragraph 1 above, will be supplied with petroleum products as follows:

a. Requirements: The Military Mission to the Italian Army, for the Italian mainland, Deputy Director of Supplies and Transport, Number 1 District, for SICILY, and Petroleum Section, AFHQ (SARDINIA) for SARDINIA, will be responsible for the collection and submission to Petroleum Section, AFHQ, (Naples) of requirements for the Italian Army exclusive of those formations and units included in paragraph 1 above. These requirements will be submitted so as to

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reach Petroleum Section, AFHQ (Naples) by the 19th of the month preceding that in which delivery is required and will specify geographical areas in which the units are located. The basis on which all of the above requirements are predicted will be set out in detail.

b. Petroleum Section, AFHQ (Naples) will transmit Deputy Director of Supplies and Transport, FLAMBO; Commanding General, Peninsular Base Section; Deputy Director of Supplies and Transport Number 1 District, and Petroleum Officer, Petroleum Section, AFHQ (Sardinia) through appropriate channels, monthly allocations authorizing release of approved quantities of petroleum products of the CIF for Italian Army account in the respective areas concerned.

c. The CIF will deliver to the Italian Army on a contractual basis, charging only the distribution cost (including any imposed Government taxes) but not including the cost of the petroleum product.

d. Deputy Director of Supplies and Transport, FLAMBO; Commanding General, Peninsular Base Section; Deputy Director of Supplies and Transport Number 1 District; and Petroleum Officer, Petroleum Section AFHQ (Sardinia) will submit monthly reports to Petroleum Section, AFHQ (Naples) of releases made against these allocations, and will collect and transmit to the Petroleum Section, AFHQ (Naples) receipts signed by CIF as agent for the Italian Army.

XI. ITALIAN NAVAL AND AIR FORCE REQUIREMENTS

24. The Italian Navy and Air Force will be issued such petroleum products as are not "common user" items, as directed by Commander-in-Chief Mediterranean and Commander-in-Chief Mediterranean Allied Air Force, respectively. Such issues will be made direct from stocks under Commander-in-Chief Mediterranean and Commander-in-Chief Mediterranean Allied Air Force control and not through CIF. ("Common user" items are defined as such Petroleum products as are included in the North African Oil Slate.)

25. Aircraft of the Italian Air Force, under the operational control of Commander-in-Chief Mediterranean Allied Air Force, will be issued with such petroleum products as they require, from stocks under the control of Commander-in-Chief Mediterranean Allied Air Force. Records of such issues will be maintained and transmitted monthly to Petroleum Section AFHQ (Naples).

26. Commander-in-Chief Mediterranean and Commander-in-Chief Mediterranean Allied Air Force will advise Petroleum Section AFHQ (Naples) of the requirements of the Italian Navy and Air Force of "common user" petroleum products other than those covered by paragraph 25 above. Such requirements will be submitted to Petroleum Section AFHQ (Naples) by the 19th of the month preceding that in which delivery is requested, and will specify geographical areas in which release is required. Approved quantities will be

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included in the allocations authorized for the Italian Army, and will be released to CIP as in 25 above.

27. CIP will maintain separate records of quantities received from Allied stocks and issued to: a. civilian users b. Italian Army c. Italian Navy d. Italian Air Force, and will report such information monthly to Petroleum Section, AFHQ (Naples).

XII. TRANSFER OF RESPONSIBILITY.

28. Responsibilities established in this memorandum with respect to particular agencies, i.e. Allied Military Government, Allied Central Mediterranean Force; Headquarters, Allied Control Commission, etc., in the event of transfer of, or assumption of responsibility by another agency will automatically be included in the transfer or assumption.

By command of General WILSON:

W. V. ROBERTS,
Colonel, AGD,
Adjutant General.

DISTRIBUTION:
"D2"

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(17)

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

PER AZIONI

SEDE IN NAPOLI

CAPITALE L. 1.125.000.000 - VERSATO L. 1.012.500.000

C. P. C. N. 2577

N. 225 GCp/im

da citare nella risposta

Napoli, (105) 4/4/44

VIA P. E. IMPERIALI 42

CENTRAL ELECTRICAL BOARD
SEDE

A seguito delle intese verbali, si rimettono due prospetti relativi al fabbisogno di carburanti per gli autoveicoli a dibiti al ns. servizio e per il mese di aprile 1944.

Da detti specchi risultano i seguenti fabbisogni:

- benzina	litri	15.290	a Napoli
	"	1.630	a Salerno
	"	400	a Foggia
	"	980	a Bari
	"	490	a Taranto
	"	1.590	a Crotone
- gasolio	"	4.750	a Napoli
	"	820	a Crotone

Poichè dalla disponibilità per gli usi civili ci sono stati assegnati per la città di Napoli :

- benzina	litri	15.000	
- gasolio	"	3.000,	

Vi preghiamo di volerci cortesemente interessare perchè ci vengano assegnati :

- gasolio	litri	1.750	a Napoli

a saldo del ns. fabbisogno e quanto ci occorre di benzina e gasolio nelle altre città come su riportato.

Ringraziamenti.

Translation

Following to what has been decided verbally, we enclose two prospects relative to the fuel requirements of the vehicles at our service and for the month of April 1944.

By these prospects the following requirements result:

- gasoline	lts.	15.290	in Naples
	"	1.630	in Salerno
	"	400	in Foggia
	"	980	in Bari
	"	490	in Taranto
	"	1.590	in Crotone

K/.

Telegrammi: TESCIANO - NAPOLI

Mod. 7 (20.000) Tip. A. Tosi - 1.42

Declassified E.O. 12356 Section 3.3/NND No. 785019

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

- diesel oil lts. 4.750 in Naples
" 820 in Crotone

As we have obtained from civil resources in Naples:

- gasoline lts. 15.000
- diesel oil " 3.000

we beg you to kindly do the necessary steps in order we obtain the allotment of :

- diesel oil lts. 1.750 in Naples

on account of our requirement and of the above said gasoline and diesel oil we need in the other cities.

Thanks.

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

all. 2

encl. 2

4/4/44

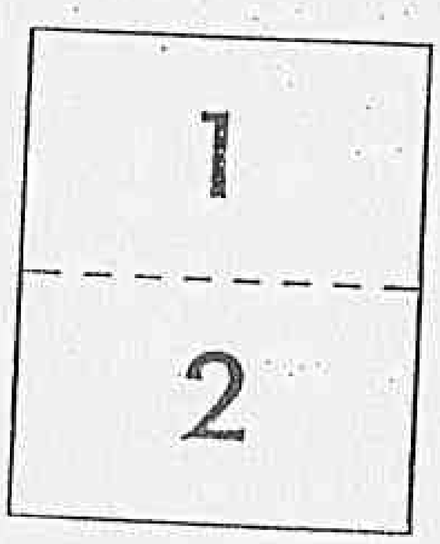
4164

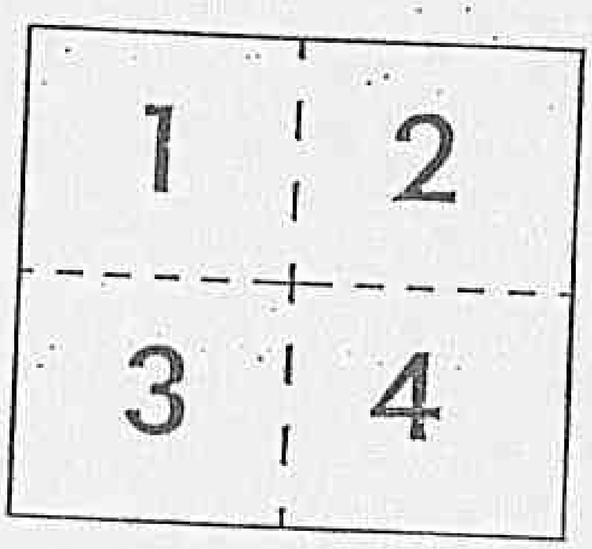
4000 - TIPI A. TRANI - 8-6-1951

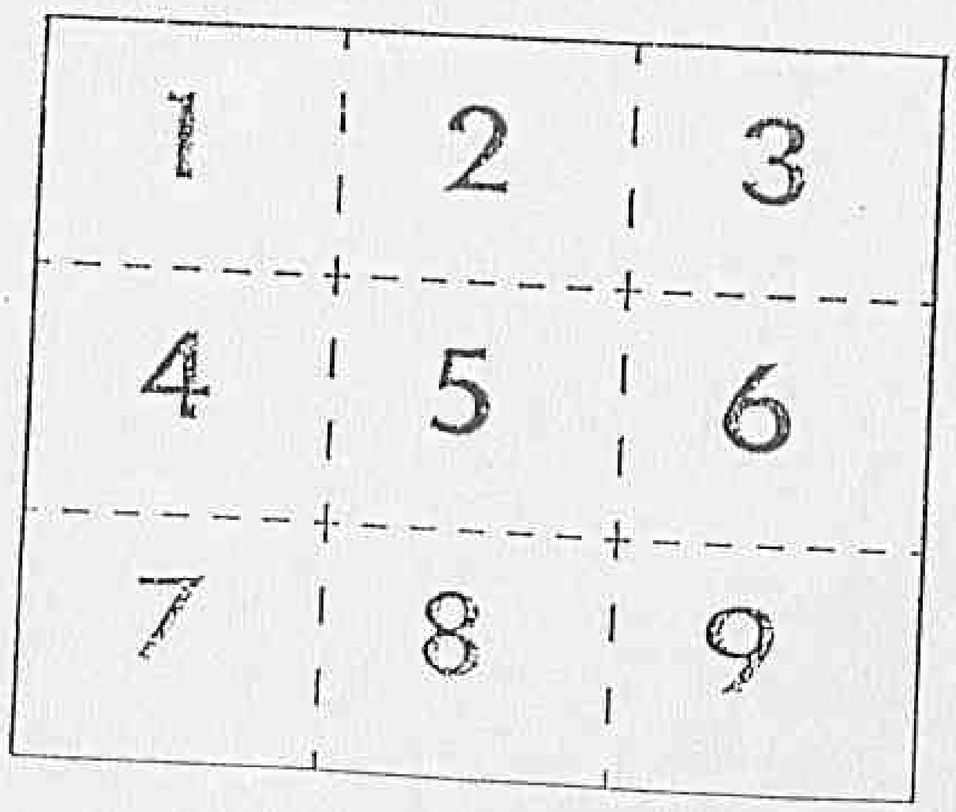
Declassified E.O. 12356 Section 3.3/NND No. 785019

MAPS AND CHARTS TOO LARGE TO FILM ON ONE EXPOSURE ARE FILMED CLOCKWISE BEGINNING IN THE UPPER LEFT CORNER, LEFT TO RIGHT, AND TOP TO BOTTOM.

SEE DIAGRAMS BELOW.







Declassified E.O. 12356 Section 3.3/NND No. 785019

BEST COPY POSSIBLE

Declassified E.O. 12356 Section 3.3/NND No. 785019

FUEL CONSUMPTION - PREVISION FOR APRIL 1944

Department	Car or truck	Licenze	Carrying cap. (persons or tons)	Specific consumption l/km	Estimated mileage km	Needed fuel		Plac of deli
						Benzine lit.	Gasoil lit.	
A - Production and transmission Operation								
Matese	Fiat 621	10479 NA	2 T.	0,3	1.500	450		Nap
Frattamaggiore	Fiat 621	3823 CZ	2 T.	0,3	1.500	450		
	Fiat 508	19714 NA	0,35 T.	0,14	1.100	160		
Tusciano	Fiat 507	6392 SA	1,5 T.	0,3	3.000	900		Sal
	Fiat 508	6394 SA	0,35 T.	0,14	1.000	140		
Rotonda	Fiat 507	10007 BA	1,5 T.	0,3	1.500	450		
Tanagro	Fiat 1100	6544 SA	0,7 T.	0,14	1.000	140		
Foggia	Ford 8V	4823078	3 T.	0,4	1.000	400		Fog
Bari	Ford 8V	8423078	3 T.	0,4	1.200	480		Bar
	Fordson	44959308	0,75 T.	0,25	2.000	500		Bar
Taranto	Fiat 1100	3745 TA	0,7 T.	0,14	1.200	170		Tar
Palagiano	Bedford	L5227755	3 T.	0,4	800	320		Tar
S.Demetrio	Bedford	L4877169	3 T.	0,4	300	120		Cro
Sila	Fiat 507	3822 CZ	1,5 T.	0,3	1.000	300		Cro
	Fiat 618	3826 CZ	1,2 T.	0,45	800	360		
	Fiat 1100	3825 CZ	0,7 T.	0,14	1.000	140		
	Fiat 508	3801 CZ	4 pers.	0,15	1.500	225		
	Fiat 508	3802 CZ	4 "	0,15	1.500	225		
Naples substations	Citroen	31828 NA	1,5 T.	0,25	800	200		Na
	Bordone	16062 RO	1,8 T.	0,20	900	180		
	O.M.	12233 NA	1,7 T.	0,25	1.400	350		
Naples operation department	Fiat Ardita	16918 NA	6 pers.	0,16	2.500	400		
	Fiat Balil.	19304 NA	4 "	0,10	3.000	300		
	Lancia Aug.	25737 NA	4 "	0,12	2.000	240		
	Fiat Balil.	29825 NA	4 "	0,11	2.000	220		
B - Production and transmission Construction								
Naples constru	Lancia	[illegible]	6 pers.	0,14	1.500	210		N

Declassified E.O. 12356 Section 3.3/NND No. 785019

FUEL CONSUMPTION - PREVISION FOR APRIL 1944

	Licenze	Carrying cap. (persons or tons)	Specific consumption l/km	Estimated mileage km	Needed fuel Benzine lit.	Needed fuel Gasoil lit.	Place of delivery	Notes
1	10479 NA	2 T.	0,3	1.500	450		Naples	
1	3823 CZ	2 T.	0,3	1.500	450		"	
8	19714 NA	0,35 T.	0,14	1.100	160		"	
7	6392 SA	1,5 T.	0,3	3.000	900		Salerno	
8	6394 SA	0,35 T.	0,14	1.000	140		"	
7	10007 BA	1,5 T.	0,3	1.500	450		"	
00	6544 SA	0,7 T.	0,14	1.000	140		"	
	4823078	3 T.	0,4	1.000	400		Foggia	
	8423078	3 T.	0,4	1.200	480		Bari	
	44959308	0,75 T.	0,25	2.000	500		Bari	
00	3745 TA	0,7 T.	0,14	1.200	170		Taranto	
	L5227755	3 T.	0,4	800	320		Taranto	
	L4877169	3 T.	0,4	300	120		Crotone	
7	3822 CZ	1,5 T.	0,3	1.000	300		Crotone	
8	3826 CZ	1,2 T.	0,45	800	360		"	
00	3825 CZ	0,7 T.	0,14	1.000	140		"	
8	3801 CZ	4 pers.	0,15	1.500	225		"	
8	3802 CZ	4 "	0,15	1.500	225		"	
	31828 NA	1,5 T.	0,25	800	200		Naples	
	16062 RO	1,8 T.	0,20	900	180		"	
	12233 NA	1,7 T.	0,25	1.400	350		"	
a	16918 NA	6 pers.	0,16	2.500	400		"	
l.	19304 NA	4 "	0,10	3.000	300		"	
g.	25737 NA	4 "	0,12	2.000	240		"	
l.	29825 NA	4 "	0,11	2.000	220		"	
		6 pers.	0,14	1.500	210		Naples	

Declassified E.O. 12356 Section 3.3/NND No. 785019

	Ford 8V	8423078	3 T.	0,4	1.200	480		Bar
	Fordson	44959308	0,75 T.	0,25	2.000	500		Bar
Taranto	Fiat 1100	3745 TA	0,7 T.	0,14	1.200	170		Tar
Palagiano	Bedford	L5227755	3 T.	0,4	800	320		Tar
S.Demetrio	Bedford	L4877169	3 T.	0,4	300	120		Cro
Sila	Fiat 507	3822 CZ	1,5 T.	0,3	1.000	300		Cro
	Fiat 618	3826 CZ	1,2 T.	0,45	800	360		
	Fiat 1100	3825 CZ	0,7 T.	0,14	1.000	140		
	Fiat 508	3801 CZ	4 pers.	0,15	1.500	225		
	Fiat 508	3802 CZ	4 "	0,15	1.500	225		
Naples substations	Citroen	31828 NA	1,5 T.	0,25	800	200		Nap
	Bordone	16062 RO	1,8 T.	0,20	900	180		
	O.M.	12233 NA	1,7 T.	0,25	1.400	350		
Naples operation department	Fiat Ardita	16918 NA	6 pers.	0,16	2.500	400		
	Fiat Balil.	19304 NA	4 "	0,10	3.000	300		
	Lancia Aug.	25737 NA	4 "	0,12	2.000	240		
	Fiat Balil.	29825 NA	4 "	0,11	2.000	220		
B - Production and transmission Construction								
Naples construction department	Lancia Ardea	31240 NA	6 pers.	0,14	1.500	210		Nap
	Fiat 1100	31567 NA	6 "	0,16	3.000	480		
	Lancia Apr.	24974 NA	5 "	0,15	2.000	300		
	Fiat 1500	26730 NA	4 "	0,16	1.800	290		
	Fiat Balil.	24495 NA	4 "	0,10	1.200	120		
Lines repair	Fiat 18BL	22139 NA	3,6 T.	0,5	1.000	500		
	Fiat 18BL	20636 NA	3,6 T.	0,5	1.000	500		
	Fiat 18BL	13587 NA	3,6 T.	0,5	1.000	500		
Plants and sub stations repair	Guzzi	3194 NA	1 T.	0,12	1.000	120		
1) Trucks of contractors	Fiat 621	31549 NA	2 T.	0,35	2.000		700	
	Fiat 1100	30852 NA	0,7 T.	0,13	1.500	200		
	Fiat 18BL	20985 NA	3,6 T.	0,5	800	400		
	Isotta Fr. D80	11344 FO	7 T.	0,6	300		180	
	Bianchi M	33128 NA	4 T.	0,33	500		165	
	Lancia 3RO	10645 CN	4 T.	0,6	300		180	
2) Hired trucks	Alfa Romeo	32527 NA	4 T.	0,45	2.500		1.125	
	Ford 8V	33127 NA	1 T.	0,20	1.800	360		
	Bianchi S9	21823 NA	1 T.	0,20	1.800	360		
Civil maintenonce of Sila plants	Lancia Aug.	2251 CS	4 pers.	0,11	2.000	220		Cro
	Fiat 621	2451 CS	2 T.	0,32	1.000		320	
	O.M.	3040 CS	4 T.	0,25	2.000		500	
Total A+B						12.380	3.170	

Declassified E.O. 12356 Section 3.3/NND No. 785019

V	8423078	3 T.	0,4	1.200	480		Bari	
n	44959308	0,75 T.	0,25	2.000	500		Bari	
100	3745 TA	0,7 T.	0,14	1.200	170		Taranto	
d	L5227755	3 T.	0,4	800	320		Taranto	
d	L4877169	3 T.	0,4	300	120		Crotone	
07	3822 CZ	1,5 T.	0,3	1.000	300		Crotone	
18	3826 CZ	1,2 T.	0,45	800	360		"	
1100	3825 CZ	0,7 T.	0,14	1.000	140		"	
08	3801 CZ	4 pers.	0,15	1.500	225		"	
08	3802 CZ	4 "	0,15	1.500	225		"	
n	31828 NA	1,5 T.	0,25	800	200		Naples	
e	16062 RO	1,8 T.	0,20	900	180		"	
	12233 NA	1,7 T.	0,25	1.400	350		"	
dita	16918 NA	6 pers.	0,16	2.500	400		"	
lil.	19304 NA	4 "	0,10	3.000	300		"	
Aug.	25737 NA	4 "	0,12	2.000	240		"	
lil.	29825 NA	4 "	0,11	2.000	220		"	
	31240 NA	6 pers.	0,14	1.500	210		Naples	
100	31567 NA	6 "	0,16	3.000	480		"	
Apr.	24974 NA	5 "	0,15	2.000	300		"	
1500	26730 NA	4 "	0,16	1.800	290		"	
lil.	24495 NA	4 "	0,10	1.200	120		"	
18BL	22139 NA	3,6 T.	0,5	1.000	500		"	
18BL	20636 NA	3,6 T.	0,5	1.000	500		"	
18BL	13587 NA	3,6 T.	0,5	1.000	500		"	
zi	3194 NA	1 T.	0,12	1.000	120		"	
621	31549 NA	2 T.	0,35	2.000		700	"	
1100	30852 NA	0,7 T.	0,13	1.500	200		"	Fuel is given
18BL	20985 NA	3,6 T.	0,5	800	400		"	according mileage
a 80	11344 FO	7 T.	0,6	300		180	"	
hi M	33128 NA	4 T.	0,33	500		165	"	
a 3RO	10645 CN	4 T.	0,6	300		180	"	
Ro-	32527 NA	4 T.	0,45	2.500		1.125	"	
8V	33127 NA	1 T.	0,20	1.800	360		"	
hi S9	21823 NA	1 T.	0,20	1.800	360		"	
Aug.	2251 CS	4 pers.	0,11	2.000	220		Crotone	
621	2451 CS	2 T.	0,32	1.000		320	"	
	3040 CS	4 T.	0,25	2.000		500	"	
					12.380	3.170		

Declassified E.O. 12356 Section 3.3/NND No. 785019

FUEL CONSUMPTION - PREVISION FOR APRIL 1944

Department	Car or truck	Licence	Carrying cap. (persons or tons)	Specific consumption-l/Km	Estimated mi leage - Km.	Needed fuel benzine lt.	Needed fuel gasoil lt.	Place of delivery
C - Central Management	Lancia	18205 NA	6 pers.	0,165	4.500	742,5		Naples
	Lancia	32324 NA	6 "	0,220	2.500	550		"
	Lancia	32379 NA	6 "	0,200	2.000	400		"
	Fiat	7220 NA	6 "	0,170	1.500	255		"
	Fiat	32327 NA	6 "	0,120	1.500	180		"
D - Transportation of food for workmen and employes distribution and messes	Fiat	20604 NA	4 "	0,100	4.600	460		"
	Fiat	32791 NA	1 tonn.	0,170	1.400	238		"
	Fiat	12758 NA	3,5 "	0,350	1.500	525		"
	Fiat	30921 NA	3,5 "	0,350	1.500	525		"
	Morini	3079 NA	1,5 "	0,170	1.100	187		"
	Fiat (c/ rim.)	30801 NA	15 "	0,600	2.000		1.200	"
	Fiat (c/ rim.)	30802 NA	15 "	0,600	2.000		1.200	"
E - Naples Distribution Operation	Fiat	27443 NA	5 pers.	0,175	1.000	175		"
	Fiat	21407 NA	4 "	0,110	1.500	165		"
	Fiat	21408 NA	4 "	0,110	1.500	165		"
	Fiat	29627 NA	2 "	0,080	1.000	80		"
	Fiat	30174 NA	2 "	0,080	1.000	80		"
	Fiat	23445 NA	7 "	0,160	1.600	256		"
	Lancia	17944 NA	4 "	0,150	1.200	180		"
	Lancia	14789 NA	7 "	0,190	1.000	190		"
	Citroen	10358 NA	1 tonn.	0,233	1.500	349,5		"
	Citroen	12100 NA	1,8 "	0,350	2.090	732		"
	Citroen	12124 NA	1,8 "	0,350	1.500	525		"
	Citroen	12492 NA	1,8 "	0,350	1.500	525		"
	Fiat	9720 NA	1,5 "	0,300	1.500	450		"
	Fiat	27879 NA	0,3 "	0,130	500	65		"
Total C+D+E						8000	2.400	

Declassified E.O. 12356 Section 3.3/NND No. 785019

FUEL CONSUMPTION - PREVISION FOR APRIL 1944

	Licence	Carrying cap. (persons or tons)	Specific consumption-l/Km	Estimated mileage - Km.	Needed fuel benzine lt.	Needed fuel gasoil lt.	Place of delivery	Notes
	18205 NA	6 pers.	0,165	4.500	742,5		Naples	
	32324 NA	6 "	0,220	2.500	550		"	
	32379 NA	6 "	0,200	2.000	400		"	
	7220 NA	6 "	0,170	1.500	255		"	
	32227 NA	6 "	0,120	1.500	180		"	
	20604 NA	4 "	0,100	4.600	460		"	
	32791 NA	1 tonn.	0,170	1.400	238		"	
	12758 NA	3,5 "	0,350	1.500	525		"	
	30921 NA	3,5 "	0,350	1.500	525		"	
	3079 NA	1,5 "	0,170	1.100	187		"	
.)	30801 NA	15 "	0,600	2.000		1.200	"	
.)	30802 NA	15 "	0,600	2.000		1.200	"	
	27443 NA	5 pers.	0,175	1.000	175		"	
	21407 NA	4 "	0,110	1.500	165		"	
	21408 NA	4 "	0,110	1.500	165		"	
	29627 NA	2 "	0,080	1.000	80		"	
	30174 NA	2 "	0,080	1.000	80		"	
	23145 NA	7 "	0,160	1.600	256		"	
	17944 NA	4 "	0,150	1.200	180		"	
	14789 NA	7 "	0,190	1.000	190		"	
	10358 NA	1 tonn.	0,233	1.500	349,5		"	
	12100 NA	1,8 "	0,350	2.090	732		"	
	12124 NA	1,8 "	0,350	1.500	525		"	
	12499 NA	1,8 "	0,350	1.500	525		"	
	9720 NA	1,5 "	0,300	1.500	450		"	
	27879 NA	0,3 "	0,130	500	65		"	
					8400	2.400		

Declassified E.O. 12356 Section 3.3/NND No. 785019

Advanced AFHQ
Petroleum Section
C.M.F.
A.P.O. 400

PET 19/3/4
22 March 1944

16
6/1
2813

SUBJECT: Increased Vehicle Fuel Allotment for Societa Meridionale di Elettricita

TO : Central Electrical Board, AAI, APO 394

1. Acknowledgement is made of your letter dated 20 March '44 requesting issuance of supplementary rations of gasoline and diesel oil for use by vehicles working for Societa Meridionale di Elettricita.

2. This operation is considered a military operation and as such should be handled in accordance with AFHQ Administrative ~~Instruc-tion~~ Memorandum No.11 dated 29 February 1944, paragraph IX, 16, 17, 18:-

"IX. CIVIL - REQUIREMENTS FOR MILITARY ACCOUNT.

16. Requirements for civil contractors working for Allied Military account will be drawn through CIP. No direct issues to contractors or to civilian owned motor vehicles working for military account will be made from military stock.

17. The Deputy Director of Supplies and Transport, FLAMBO; Commanding General, Peninsular Base Section; Deputy Director of Supplies and Transport, No.1 District: Petroleum Officer, Petroleum Section, AFHQ (Sardinia); and Supply Officer, Allied Military Government, Allied Central Mediterranean Force, after verification of requirements of civilian contractors, will issue letters of authorization to the contractor, authorizing him to draw petroleum products during the current month in a designated quantity. Copies of these letters will be forwarded to Petroleum Section, AFHQ (Naples). Letters will state the approximate location from which the contractor will desire to draw products for the month.

18. The contractor will present this letter to the Local Rationing Authority who will issue the necessary circulating permits and deliver required coupons authorizing the contractor to draw Petroleum Products from CIP at the official civilian price. Consideration will be given by rationing authority to the quantities of valid coupons for fuel already held by the contractor."

3. It is suggested that demand be made on C.G., P.B.S 4160

H. B. EYLES
Colonel
D.D. Petroleum

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I.
CENTRAL ELECTRICAL BOARD
APO 394

(15)

20 March 1944

SUBJECT: Increased Vehicle Fuel Allotment for Societa Meridionale di Elettricita.

TO : Petroleum Section A.A.I. Attention Lieut. Colonel King.

1. In order that the Societa Meridionale di Elettricita may have sufficient fuel to operate its vehicles during the month of March, it is requested that the following supplementary rations be issued:

10,700 liters of gasoline.
6,500 liters of diesel oil.

2. The supplementary rations mentioned above correspond to increases of 45% and 72% over the original allotments of gasoline and fuel oil respectively. The additional quantities are needed because of an increase in the number of vehicles available during March, and because of an anticipated increase in the use of diesel oil propelled repair trucks.

JAMES P. GROWDON
Colonel C.E.
Vice Chairman C.E.B., A.A.I.

Sec (14) (15)

4161

Declassified E.O. 12356 Section 3.3/NND No. 785019

(11)

MEMORANDUN ABOUT FUEL SUPPLY FOR MARCH

The S.M.E. had at his disposal during the month of February :

- n. 29 trucks with gasoline engine
- " 4 " " dieseloil engine
- " 27 cars
- " 2 motor-cycles

Not all these motor-cars have been able to do daily their service during the month of February because of the repairings and over all of the bad conditions of their tires.

On an average the follows have been daily at our service :

- n. 20 trucks with gasoline engine
- " 3 " " dieseloil "
- " 23 cars
- " 2 motor-cycles

and totally they ran during the month :

- Kms. 40000 (about) the trucks with gasoline engine /20 : 2000 kils/truck
- " 6000 (about) " " " dieseloil " /3 : 2,000 kils/truck
- " 51000 the cars and the motor-cycles /25 : 2040 miles/car & motor cycle

with a consumption of :

- lts. 11.500 gasoline for the trucks 3,3 miles/litre
- " 6.500 " " " cars and motor-cycles 7,8 miles/litre
- " 3.000 dieseloil for the trucks with dieseloil engine. 2 miles/litre

After the supply of the tires we put in operation for the month of March the following :

- n. 9 trucks with gasoline engine
- " 2 " " dieseloil "
- " 4 cars

notwithstanding the present motocars will be able to do a more intense operation.

As the increase has been of :

- 30% for the trucks with gasoline engine
- 50% " " " " dieseloil "
- 14% " " cars

we wanted to provide for the month of March the following supply of fuel greater than that of the month of March :

4139

- gasoline : lts. 11.500 + 30% = lts. 15.000 for the trucks
  " " 6.500 + 14% = " 7.400 " " cars
  lts. 22.400.
- dieseloil : lts. 3.000 + 50% = lts. 4.500 for the trucks with diesel oil engine

./.

Declassified E.O. 12356 Section 3.3/NND No. 785019

In account of the better exploitation of the means and of the reality that the month of March is 2 days longer than February and as we think the trucks with dieseloil engine will run very long distances, we have required :

- lts. 24.000 gasoline
- " 9.000 dieseloil

and as we have obtained :

- lts. 13.300 gasoline
- lts. 2.500 dieseloil

we have required again the difference of :

- lts. 10.700 gasoline
- " 6.500 dieseloil.

Naples, the 14 th. March 1944

Declassified E.O. 12356 Section 3.3/NND No. 785019

From Superintending Electrical Engineer Royal Navy

To Col Crowdon U.S. Army

Subject VOLTURNO GENERATING STATION - LUBRICATING OIL

Date 16th March 1944

With reference to the above, an attempt has been made without success to obtain from A.M.G. Avellino, release of stocks of A.G.I.P. lubricating Oil No 157, (as used in the VOLTURNO diesels for upper cylinder lubrication) which are known to be held by A,G.I.P AVELLINO.

In view of the desirability that no change in lubricant should be made unnecessarily, it is suggested that release of the oil might be obtained by intervention of the C.E.B.

Consumption at the present time for 4 - weekly period is about 4800 lbs., but this is, of course, liable to increase if the average hours of operation are increased, and also when the second unit is re-commissioned.

It is considered, under the circumstances, that a reserve lubricating oil stock, amounting to a minimum of 15 tons should be obtained, if this is available.

Your confirmation that action will be taken will be appreciated. Transport and collection will if necessary be arranged by myself as soon as the release note is available.

??????? ??
Electrical Commander R.N.
Superintending Electrical Engineer

Capt Rogers
Oil

4157

Declassified E.O. 12356 Section 3.3/NND No. 785019

Advanced AFHQ
Petroleum Section
C.M.F.
A.P.O. 400

PET 19/3/4
14 March 1944

SUBJECT: Requirements for Transformer and Lubricating Oils

TO : ACMF Central Electrical Board

1. Reference your letter of 29 February 1944 and subsequent conversations between Col. Growdon and Mr. Frothingham of this Section.

2. The transformer oil requirements will be supplied from Military stocks. See the last paragraph of this Section's letter, PET 21/1 of 11 March 1944, to Royal Navy, of which a copy was sent to you.

3. In agreement with Col. Growdon, the lubricating oils are to be supplied by CIP from existing Italian stocks and invoiced at the regular established price to the power and light companies in question.

4. CIP has checked the grades listed in paragraph 3-a and b of your letter, and confirms that corresponding Italian grades are presently available in its depots.

5. This Section is authorizing CIP to deliver the 25% requested, immediately. As the balance is needed, kindly give this Section advance notice of the dates and the quantities required, and it will similarly arrange release through CIP.

6. Copy of this letter is being transmitted to CIP for information, and should you require further information or assistance from them in this connection, it is suggested you ask for Mr. Ferrara. The offices of CIP are at N°15 Via Cesare Battisti, (third floor), which is just in back of P.B.S. Headquarters. The telephone number is:- 51-236.

H. B. EYLES
Colonel
D. D. Petroleum

CC: C.I.P. Naples

4156

PETROLEUM SECTION
Advance AFHQ
CMF - APO 400, U.S. Army

PET 21/1
11 March 1944

SUBJECT: Slating Electric Light Plants Naples Area - Common Pool POL Stocks.

TO: Royal Navy, Navy House, FLAMBO
(Attn: A.F.O.)

Reference letter PET 19/3/4. dated 26 February, on the subject of the requirements for Capuana Stream and Doganella Diesel Plants.

1. Advice has now been received by this Section from the Central Electrical Board that the Board is proposing to submit forward demands on this Section for the necessary petroleum products for the operation of the above mentioned plants.

2. It is confirmed that the necessary action has been taken to provide the quantities of transformer oils which are required, and have in fact been included in the estimates forwarded by P.B.S. to this Section.

H.B. EYLES
Colonel
D.D. Petroleum

Copy to: Petroleum Section, AFHQ
" " C.G., P.B.S.
" " ACMF Central Elec. Board
" " File Pet 20/9
" " File Pet 19/3/4

4155

Copy to Col Gruden c/o D.D.W.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Reference letter PET 19/3/4. dated 28 February, on the subject of the requirements for Capuana Stream and Doganella Diesel Plants.

1. Advice has now been received by this Section from the Central Electrical Board that the Board is proposing to submit forward demands on this Section for the necessary petroleum products for the operation of the above mentioned plants.

2. It is confirmed that the necessary action has been taken to provide the quantities of transformer oils which are required, and have in fact been included in the estimates forwarded by P.B.S. to this Section.

H.B. EYLES
Colonel
D.D. Petroleum

Copy to: Petroleum Section, AFHQ
" " C.G., P.B.S.
" " ACMF Central Elec. Board
" " File Pet 20/9
" " File Pet 19/3/4

4155

Copy to Col Gravden c/o D.D.W.

41[illegible]

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

FAXTRA 1768 (11A)

FAXTRA (LIGHTNING & CODE/SECRET) 7 MAR 44

RESTRICTED

ROUTINE

CATAPULTADO

PETROL IS SUBJECT TO SUPPLY AS AUTHORISED TO DOCETA ELECTRICA

UP TO GHS FIVE ZERO ZERO LITRES MONTHLY TO PAPER TO CATAPULTADO FOR

ADD SUPPLY OFFICER FROM FAXTRA FOR EVERY EIGHTY MAINTENANCE UNIT FAXTRA

ONE SEVEN SIX EIGHT FIGHT AEROTYGAL SUPPLIES BE ROUTE TO YOU TO

HEDGEHOG ALLOWANCE WILL BE MADE TO ACCIONELLOS

4154

RESTRICTED

Copy To: Electric Power Agencia.

L. T. MURRAY, JR.
2nd Lt., AUS
Actg. Adjutant.

Declassified E.O. 12356 Section 3.3/NND No. 785019

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

(11)

MEMORANDUM FOR COL. GROWDON

The situation about the allowances of benzine at Catanzaro is the following:

1st Captain Bailey, Supply Officer A.C.C. Catanzaro told us that he has not received any message from Naples.

2nd The same Officer states that in February they have not received any allowance for benzine, and that in March they will receive only 30000 litres, the greatest part of which has already been assigned.

3rd In these conditions we have only got 500 litres benzine for March.

4th Captain Bailey told us that for the next months we can only get gasoline if a correspondent allowance is made by Naples Offices.

Naples, March 6th 1944
GC/GDr

M.d. - (5000) Tipi A. Trani - 3-1917

Declassified E.O. 12356 Section 3.3/NND No. 785019

Major Lentzner

Liaison Officer to Italian 31st Corps Military Mission

Captain Bailey

Supply Officer A.C.C.

193rd Catanzaro

Feb- None

March- 32,000 liters.

700 - Captain Hentz Cement

500 - SNAF

Ext 231

4152

Declassified E.O. 12356 Section 3.3/NND No. 785019

POULNE.

CATANZARO.

QUANTITY OF PETROL ALLOTTED TO SOCIETA ELETTRICA DELLE CALABRIE NOT YET REPORTED TO FATIMA AS REQUESTED IN OUR MESSAGE FARGO ONE FOUR FOUR EIGHT DATED TWO NINE FEBRUARY. DESIRED THAT THIS INFORMATION BE FURNISHED IMMEDIATELY.

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.C.M.F.
CENTRAL ELECTRICAL BOARD

29 February 1944

SUBJECT: Requirements for Transformer and Lubricating Oil.

TO : Petroleum Section, A.C.M.F. - Adm. Hch.

1. Estimated requirements for Transformer oil for the period 1st March 1944 to 31 August 1944.

a) Societa Meridionale di Elettricita System 105 metric Tons
b) Power Systems Rome and vicinity 75 metric Tons

2. Above requirements do not take into account any transformer oil in stock or on order by Allied Force organizations.

3. Estimated requirements for lubricating oil for the period 1 March to 31 August 1944.

a) Vacuum oil Co. D.T.E. or Shell Oil Co. HM or BC #85 or
5 metric Tons
Vacuum Oil Co. D.T.E Gliccil Spido 0.25 metric Tons
Vacuum Oil Co. Arctic oil 0.5 metric Tons
Vacuum Oil Co. B.B.B. # 2)
Shell Oil Co. F. # 2) Grease 3 metric Tons
Shell Oil Co. F.D. # 12 Grease 9 metric Tons
Shell Oil Co. F. # 12 Grease 2 metric Tons

(Note, for steam and Hydro electric plants)
b) Diesel crankcase lubricating oil - Semidenso 15 m. Tons
Diesel cylinder lubricating oil - Extradenso No. 157
15 metric Tons

(Note Above requirements are for the Volturno diesel electric plant and other diesel electric plants not assigned to Army units. See attached specifications for oils now in use.)

4. The lubricating oils as stated above are required for the generation of electric power in Italy.

5. Delivery in Naples is required. Not less than 25% of the amounts stated should be made available at once.

JAMES P. O'BRIEN
Colonel C.E.
Vice Chairman A.C.M.F. - C.E.B.

Declassified E.O. 12356 Section 3.3/NND No. 785019

1st MOBILE PET TESTING LAB
APOHD 696 ENGR PET DIST CO, APO 7[illegible]
18 NOVEMBER 1943

SUBJECT : Laboratory Report

TO : Engineer, PBS, APO 782

1. Samples of crankcase lubricant now being used at the Volturno Diesel Power Station, Naples, show it to be a motor oil of 10.7 E viscosity at 50 C. The British motor oil M 220 which as a viscosity of approx. 12 E at 50 C may be substituted for the present.

2. Samples of the upper cylinder lubricant now being used at the Volturno Diesel Power Station, Naples, show it to be an oil of 23.5 E viscosity at 50 C. The British motor oil M-400 which has a viscosity of approx. 22 E at 50 C may be substituted for the present oil. (A sample of oil marked C-600 was submitted to this lab in connection with test. This sample, when tested, was found to meet motor oil M-400 specifications.)

GEORGE E. SEARGEANT
2nd Lt. C.E.
Commanding Officer

AFHQ ADV ADM ECHELON
Petroleum Section

16/3/9
23 November 1943

SUBJECT : Lubricants for Volturno Power Station, Naples

TO : Petroleum Officer, PBS

1. Reference Lab Report dated 18 November 1943 from 1st Mobile Petroleum Testing Laboratory.

2. Paras. 1 and 2 - Lubricants for Volturno Diesel Power Station, Naples.

2 Crankcase Lubricant : Inaddition to use of M 220, as mentioned in report, the Italian Oil Semidenso or the corresponding civilian grades Nos. 156 or 206 are suitable equivalents. According to No 2600 Petroleum Laboratory (Mobile) Report No 79 dated 9 November 1943, there is some quantity (amount not stated) of Olio Semidenso 206 at Caserta.

b. Upper Cylinder Lubricant : This can be matched with extradenso or industrial grades Nos. 158 or 208.

4149
s/ C.B. MAXWELL, MAJ, RASC
(for) WEBSTER ANDERSON
Colonel, Q.M.C.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Frothing Lum
Flambo 193
~~173~~

~~Light~~

H. M.
E. H. M.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Col Cooley
2-20 11 AM
Re - Cable X Re
Answered.
Would like you to call
him.

Ray EKS.
10706

Declassified E.O. 12356 Section 3.3/NND No. 785019

RESTRICTED

FARGO 1448

FARGO

RESTRICTED

ROUTINE

29 FEB 44

10050 REMTON

CATANZARO

INSURE THAT SOCIETA ELETTRICA DELLE CALABRIE AT CATANZARO OBTAINS THROUGH CHARLIE ITEM PETAR SUFFICIENT PETROL FOR THEIR VEHICLES USED TO MAINTAIN THEIR ELECTRICAL PROPERTIES PD FARGO TO CATANZARO FOR ACC PD CETE FARGO ONE FOUR FOUR EIGHT PD REQUEST FARGO BE ADVISED OF QUANTITIES ALLOTTED

Sent in as result of memo received from SME dated Feb. 25, 1944 - VBR

Major Thompson - T.

L. T. MONTANT JR.
2nd Lt., AGD
Acte Adjutant

RESTRICTED

4148

Declassified E.O. 12356 Section 3.3/NND No. 785019

10941 Ser 51.

442

M 8

AFHQ ADV. ATM. ECHELON
Petroleum Section

PET 19/3/4
28 February 1944

SUBJECT: Requirements for Capuana Steam Plant and Doganella Diesel Plant - Naples.

TO : R. N. Navy House, PLAIBO.

1. In order that satisfactory arrangements may be made for the provision of the necessary fuel and lubricants for the operation of the Capuana Steam Plant and Doganella Diesel Plant for the generation of electricity, it is desired to establish the agencies which will be responsible for the bidding on this Section for the fuels and lubricants required.

2. It is understood that the Royal Navy is operating and will continue to operate the Capuana and Doganella plants and that fuels will be provided as an Allied Force responsibility and will not be ~~enforced~~ invoiced to the civilian organization.

3. It is requested that you will confirm that the understanding set out in paragraph 2 above is correct and, if so, that you have made provision to supply the required quantities of Bunker Oil C or equivalent Fuel Oil, Diesel Oil, Transformer Oil, Turbine Oil, and Diesel Lubricating Oil.

4. This Section has been advised by the ACSF Central Electrical Board that the Fuel Oil requirements for the two plants are as follows:

Capuana Plant Bunker C		Doganella Plant Diesel Oil	
March	22,000 Bbls.	March	5,680 Bbls.
April	21,300 "	April	5,300 "
May	33,000 "	May	11,360 "
June	31,900 "	June	11,000 "
July	44,000 "	July	11,360 "
August	44,000 "	August	11,360 "
September	53,300 "	September	11,000 "
Total	249,500 "	Total	67,260 "

4147

H. B. EYLES
Colonel
D. D. Petroleum

Copy to: C.O., P.B.S.
" " ACSF Central Elec. Board
" " D.D.R., PLAIBO
" " Petroleum Section, AFHQ.

(1)

From: Superintending Electrical Engineer Royal Navy

To: Col. Growdon U.S. Army

Date: 28th February 1944

Subject: VOLTURNO Generating Station
FUEL AND LUBRICATING OIL CONSUMTIONS-

The average consumption of fuel and lubricating oils at VOLTURNO Generating Staion is as follows :

Fuel Oil - (Density 0.83		0.335 grams / kWh
Lubricating Oil, Crankcase	—	2 kg. / hours of running
Cylinder	—	6.5 Kg. hours of running

Under existing conditions, it may be taken as a fair average that the plant operates for approx 84 hours / week, giving an energy output of approx. 700.000 kWh / weekly period.

The 4- weekly consumptions estimated, on the above basis are, therefore : -

Fuel Oil	234 tons. metric ×
Crankcase Lub.Oil	1500 lbs.
Cylinder Oil	4800 lbs.

LUBRICATING OILS .

The Classes of Oil utilized are as follows:-

Upper Cylinder Lubricant	- Extradenso N°. 157
Crankcase Oil	- Semidenso

Copy of report received from 1st Mobile Petroleum Testing Lab. attached for reference.

Electrical Commander R.N.
Superintending Electrical Engineer.

4145

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.C.M.F.
CENTRAL ELECTRICAL BOARD

C 18941. Ex 51

(6)

25 February 1944

SUBJECT: Requirements Fuel Oil and Diesel Oil.

TO : Petroleum Section, A.F.H.Q. Advanced Adm. Echelon
Attention Lt. Col. King.

1. The Capuana Steam Plant in Naples is expected to begin operation on or about Mar. 1944.
Estimated requirements for Bunker C or equivalent fuel oil are

March	22,000	Bbls
April	21,300	"
May	33,000	"
June	31,900	"
July	44,000	"
August	44,000	"
September	53,300	"
Total	249,500	"

430 metric tons month
5000 KW
10 hours per day
25 days per month
1250,000

2. The Doganella Diesel electric plant in Naples is now in partial operation.
Estimated requirements for Diesel oil are

March	5600	Bbls
April	5500	"
May	11360	"
June	11000	"
July	11360	"
August	11360	"
September	11000	"
Total	67260	"

3. The fuel oil and diesel oil as stated above are required for the generation of electric power in Italy.

4. Delivery at Naples is required.

JAMES P. GORDON
Colonel CE
Vice Chairman A.C.M.F. C.E.B.

4145

Declassified E.O. 12356 Section 3.3/NND No. 785019

JKG

Estimate of Fuel Oil Needed-
Naples Generating Stations-

CAPUANO

Month	Assumed hourly load	Bbls
March	10,000	22,000
April	10,000	21,300
May	15,000	33,000
June	15,000	31,900
July	20,000	44,000
August	20,000	44,000
September	25,000	53,300
		249,500

DOGANELLA

Month	Assumed hourly load	Bbls
March	3,000	5680
April	3,000	5500
May	6,000	11,360
June	6,000	11,000
July	6,000	11,360
August	6,000	11,360
September	6,000	11,000
		67,260

Hol Ring -
Pet Sec -

VBR.
Feb. 29, 1944.
13 June 1944

Note Diesel Fuel = 350 grms per Kwh.
Operation estimate
July 3000 Kw for 250 hrs = 750 000 Kwh = day 2700 tons Mitia
Aug. " " " " = ~~1250 000~~ " =
Sept. 5000 " " " = 1250.000 = day 4500 tons.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Fuel Oil Computations
Naples Generating Station

(5)

CAPUANO

Assume heat rate of 19,000 btu/kw-hr.
" " heating value of oil at 153,000 btu/gal.

Then number of barrels needed for 10,000 kw operation in a 744 hour month:

$$\frac{10{,}000\ kw \times 744\ hr/mo \times 19{,}000\ btu/kw\text{-}hr}{153{,}000\ btu/gal \times 42\ gal/bbl.}$$

$$= 22{,}000\ bbls./mo$$

for 10000 kw operation in a 720 hr month:

$$22.000 \times \frac{720}{744} \cdot 22{,}000 \times .966 = 21{,}300\ bbl$$

DOGANELLA

Commander Hoggan stated to me on 41/4 24 Feb. that the rate of oil consumption is 350 grams/kw-hr. For Load of 3,000 kw - a 744 hour month, and assuming average specific gravity of .86 (Commander Hogan said it runs between .830.89) - (over)

Declassified E.O. 12356 Section 3.3/NND No. 785019

350 grams/kw-hr = .35 x 2.2 = .77 #/kw-hr.

~~Assume~~

at specific gravity of .86 -

1 gallon weighs - $\frac{231}{1728} \times \frac{62.4}{1} \times \frac{.86}{1} = 7.2\#$.

$$\frac{3000 \text{ kw} \times 744 \text{ hr/mo} \times .77 \#/\text{kw-hr}}{7.2 \#/\text{gal} \times 42 \text{ gal/bbl}} = 5680 \text{ bbl} -$$

The above computations formed the basis for an estimate of fuel oil requirements furnished Col Graham on 24 Feb.

VSR.

Declassified E.O. 12356 Section 3.3/NND No. 785019

2-1-44 / E

Estimate of Quantity of Fuel Oil (1914) Needed for one generator operation

CAPUANO GENERATING STATION.

Generator Rating = 16,000 kw-hr

Estimated Station Heat Rate = 14,000 btu/kw-hr.

Estimated heating Value of fuel oil = 153,000 btu/gallon.

Quantity of Fuel oil needed For one day's operation:

$$\frac{14{,}000 \text{ btu/kw-hr} \times 16{,}000 \text{ kw} \times 24 \text{ hrs/day}}{153{,}000 \text{ btu/gallon} \times 42 \text{ gal/bbl}} = 837 \text{ bbl/day.}$$

Also $= \frac{837}{24} \times \frac{42}{1} = 1465$ gallons/hr.

$$= \frac{837 \text{ bbls/day} \times 42 \text{ gal/bbl} \times 8 \text{ lb/gal}}{2000 \text{ lb/ton}} = 141 \text{ Tons.}$$

E.J.B. figured that there is storage oil capacity for 3 27 days oil supply for 1 machine functioning at 100% load factor.

VSK 3/1/44.

VSK. 3/1/44.

414?

(OVER)

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529 grams/KW-HR corresponds to 16,25%
3260 grams/KW-HR corresponds to 100%
475 grams/KW-HR corresponds to 18,1%

529 grams oil corresponds to $\frac{3413}{16.25}$ = 21,000 btus.

475 grams oil corresponds to $\frac{3413}{18.1}$ = 18,850 btu

1 gram corresponds to 39,7 btu.

1 # oil corresponds to $\frac{1000 \times 39.7}{2.2}$ = 18,050 btu

18,050 btu/#
8 #/gal
144,400 btu/gallon.

Declassified E.O. 12356 Section 3.3/NND No. 785019

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

MEMORANDUM FOR COL. GROWDON

Our Sila plants have to-day only 100 l. gasoline.

This month no gasoline allowance has been made by Catanzaro. Those offices say that in February they have received no gasoline.

This is a very serious matter as now we are in trouble also for the employement of the only truck presently available in Sila. We are, of course, trying to send some gasoline from Naples to Sila, but it will not be easy to find the transportation means and, after all, we do not estimate convenient such transportation.

We beg you, if possible, to obtain for us an allocation of 1500 l. of gasoline for month from Catanzaro.

We thank you.

Naples, Febr. 25th, 1944
TM/DM

4140

Mod. 8 (5000) Tipi A. Trani - 143

AFHQ ADV ADM ECHELON
Petroleum Section

16/3/9
23 November 1943

SUBJECT : Lubricants for Volturno Power Station , Naples

TO : Petroleum Officer , PBS

1. Reference Lab Report dated 18 November 1943 from 1st Mobile Petroleum Testing Laboratory.

2. Paras. 1 and 2 - Lubricants for Volturno Diesel Power Station , Naples.

2 Crankcase Lubricant : Inaddition to use of M 220, as mentioned in report, the Italian Oil Semidenso or the corresponding civilian grades Nos. 156 or 206 are suitable equivalents. According to No. 2600 Petroleum Laboratory (Mobile) Report No. 79 dated 9 November 1943 , there is some quantity (amount not stated) of Olio Semidanso 206 at Caserta.

b. Upper Cylinder Lubricant : This can be matched with extradenso or industrial grades Nos. 158 or 208

s/ G.B. MAXWELL, MAJ, RASC
(for) WEBSTERN ANDERSON
Colonel , Q.M.C.

4139

Declassified E.O. 12356 Section 3.3/NND No. 785019

1st MOBILE PET TESTING LAB
ATCHD 696 ENGR PET DIST CO, APO 782
18 NOVEMBER 1943

SUBJECT : Laboratory Report

TO : Engineer, PBS, APO 782

1. Samples of crankcase lubricant now being used at the Volturno Diesel Power Station, Naples, show it to be a motor oil of 10.7 E viscosity at 50 C. The British motor oil M 220 whic h as a viscosity of approx. 12 E at 50 C may be substituted for the present.

2. Samples of the upper cylinder lubricant now being used at the Volturno Diesel Power Station , Naples, show it to be an oil of 23.5 E viscosity at 50 C. The British motor oil M-400 which has a viscosity of approx. 22 E at 50 C may be substituted for the present oil. (A sample of oil marked C-600 was submitted to this lab in connection with test. This sample, when tested, was found to meet motor oil M-400 specifications.)

GEORGE E. SEARGEANT
2nd Lt. C.E.
Commanding Officer.

4138

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

Bunker "C" 2000 Tons.
Diesel 1500 Tons.
Crankcase oil 5 Tons. Semidenso
Upper Cylinder 15 Tons Extradenso
Turbine oil 15 Tons. DTE light.
Grease 1 Ton

(September & October) Rome Area

Voltumno.

½ Ton Crankcase Semidenso
1½ Tons Upper Cylinder Extradenso
½ ton Yellow Grease.

Stock. Stand by.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Approximate amount of oil required for Transformers.

20000	K.V.A.	20 Tons.
11500	"	8-5 "
12000	"	9 "
3000	"	2 "
500	"	½ "

oil circuit breakers	30-60 K.V.	2 Tons
" " "	10-15 K.V.	½ ".

0218