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ACC

10000 | 120 | 2809 ST/550

Supt. K

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

10000 | 120 | 2809 ST/550 Anti Frost Precautions

Sept 1945

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19	Gravina di Puglia								
20	Gioia del Colle								
21	Locorotondo								
22	Moffetta								
23	Monopoli								
24	Potenza								
25	Spinazzola								
26	Trani								
27	BARI	220.750	30.448	20	110.375	15.224	220.750	30.448	110.3
28									
29	Totals in district.	220.750	30.448	20	110.375	15.224	220.750	30.448	110.3
30									
31									
32	Lecce bulk depot								
33	Brindisi				20.000	2.758			20.0
34	Galatina								
35	Maglie								
36	Otranto								
37	S. Pancrazio Salentino								
38	Tricase								
39	Zollino								
40									
41									
42	Totals in district.				20.000	2.758			20.00
43									
44									
45	Catanzaro bulk depot								
46	Castrovillari	15.966	2.201	7	36.246	4.998	15.576	2.147	36.63
47	Cosenza	72.090	9.940	20					

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30.448	20	110.375	15.224	220.750	30.448	110.375	15.224	10
30.448	20	110.375	15.224	220.750	30.448	110.375	15.224	10
		20.000	2.758			20.000	2.758	17
		20.000	2.758			20.000	2.758	
2.201	7	36.246	4.998	15.576	2.147	36.636	5.052	16
9.940	20							

ST/1558

48

ANTI-FROST PRECAUTIONS

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

ANTI-FROST PRECAUTIONS

Previously
ST/1915

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

File ST/1915

SUBJECT :- Precautions to be taken against damage to M.T. vehicles by frost.

ST/1915

27 Sept 45

Land Forces Sub Comm A.C. (MAIA)
ROME
Tel : Rome 409081 Ext 526

To :- S.M.R.E., Ufficio Automobilismo.

In order to prevent damage by frost to M.T. vehicles during the coming winter, the following points are brought to your notice. The exact method to be adopted in each case rests with the Officer Commanding Unit, and depends upon the working conditions of each unit.

Please ensure that these points are incorporated in your own directive which will be circulated to all units, copy to this H.Q.

1. When a vehicle is to remain parked for any length of time and will not be required for immediate use :-

(a) The radiator cap will be removed, and if detachable, will be put in a place of safe custody on the vehicle, e.g., in the vehicle tool box.

(b) The water will be drained off from the cooling system. In order to do this the vehicle will stand on level ground and all drain cocks fitted to the cooling system will be opened. The drain cocks may be situated in any part of the cooling system, e.g., radiator, pump, water, jacket, etc. Care will be taken to ensure that no drain cock is clogged, and that the whole of the cooling system is drained.

(c) When all water has been drained off, the engine will be run for one minute and then switched off. The fuel tap on petrol engines will then be closed.

(d) The engine will then be wrapped up with the bonnet cover or muff if available, if not available, suitable bonnet covers will be improvised.

(e) The methods of starting up an engine on which the above mentioned precautions have been carried out can be adopted, according to the severity of the frost :-

(i) Close all drain cocks and fill the cooling system. The water must be taken to the vehicle, and not the vehicle to the water. Free the engine bearings by turning the engine over by hand, switch on and start up. Warm up the engine by running it quickly without racing the engine, keeping it wrapped up with

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(d) The engine will then be wrapped up with the bonnet cover or muff if available, if not available, suitable bonnet covers will be improvised.

(e) The methods of starting up an engine on which the above mentioned precautions have been carried out can be adopted, according to the severity of the frost :-

(i) Close all drain cocks and fill the cooling system. The water must be taken to the vehicle, and not the vehicle to the water. Free the engine bearings by turning the engine over by hand, switch on and start up. Warm up the engine by running it quickly without racing the engine, keeping it wrapped up with the bonnet cover and muff.

(ii) If the frost is very severe, water will be brought near the vehicle in containers. Close all drain cocks, start up the engine, and immediately fill the cooling system with water, endeavour being made to provide a continuous flow until the radiator is full. Warm up the engine as described in sub-para (i) above. This method will only be carried out under supervision by a responsible person.

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

2. In cases where the above mentioned procedure cannot be adopted, or where the situation necessitates a vehicle standing ready for immediate use, the engine will be kept covered a run at a fast speed, but without racing, for five minutes, at intervals, the interval depending on the severity of the frost. This also applies to vehicles which are temporarily halted.

3. If a vehicle has a thermostatically controlled water circulating system the element of the thermostat will be removed except in those vehicles whose cooling system can be satisfactorily drained with the thermostat in action.

4. Other methods to be adopted in cold weather to maintain the temperature of an engine are :-

(a) The blanking-off of part of the radiator.

(b) The removal of the fan belt, providing this belt does not also drive the water impeller or dynamo.

5. Damage, indirectly due to cold weather is caused through :-

(a) Starting the engine without water and not immediately filling the cooling system.

(b) Running the engine for too long a period after the water is drained off.

(c) Endeavouring to start an engine without first freeing the bearings by first turning the engine by hand.

(d) Racing the engine when warmed up.

6. In the case of the Combat Groups, it is probable that limited quantities of anti-freeze fluid will be made available by 2 DISTRICT for units stationed at high altitudes, and for certain types of combat vehicles when the use of such fluid is considered operationally essential.

34.7

WNM/ag

for Lt. Col. ADST.,
Land Forces Sub Comm A.C. (M.M.I.A.).

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3477

WNM/ag

for Lt. Col. ADST.,
Land Forces Sub Comm A.C. (M.M.I.A.).

Copy to :- ALL MMIA LOs.
" BLUs.
S & T 2 District.

Information :-

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28/

COMMODITY: (CARRUBE)

	STOCK STATE SHEET. PERIOD 5/3 to 14/3 DEPOT	Opening Balances			Received in Decade		Issued in Decade		
		Amount in Lbs.	No. of Rations Scale « B ».	No. of Days at Average Feeding Strength	Amount in Lbs	No. of Rations Scale « B ».	Amount in Lbs	No. of Rations Scale	Amount in Lbs
1	Taranto main depot								
2									
3									
4	Naples bulk depot								
5	Avellino								
6	Aversa								
7	Benevento								
8	Caserta								
9	Nola								
10	Salerno								
11									
12									
13	Totals in district.								
14									
15									
16	Bari bulk depot								
17	Barletta								
18	Canalda								

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ARRUBE)

g Balances		Received in Decade		Issued in Decade		Remaining Balances		
o. of tions ale B ».	No. of Days at Average Feeding Strength	Amount in Lbs	No. of Rations Scale « B ».	Amount in Lbs	No. of Rations Scale	Amount in Lbs	No. of Rations Scale « B ».	No. of Days at Average Feeding Strength

0881