

DIRECTORATE GENERAL BORDER ROADS

GENERAL MAINTENANCE INSTRUCTION NO. 76

ON

LUBRICANTS TO BE USED IN PLANTS AND MACHINERY INSTALLED IN BASE AND FIELD WORKSHOP (GREF)

Summary

1. This instruction lays down the makes and types of commercial lubricants and their service equivalent for plants and machineries in use in the projects, Base and Field workshop (GREF).

Items Affected

2. Lubricants.

Action by

3. (a) Projects and Field Workshops (GREF):- To use the correct lubricants as mentioned in the succeeding paragraphs. Projects to procure these lubricants through DGS&D in the normal manner and issue to all sub units.

(b) Base Workshops:- To use the correct lubricants as mentioned in the succeeding paragraphs. Procure your requirement of lubricants through Project.

Details

4. The service equivalents of lubricants recommended by petroleum companies for the use in the plants and machineries installed in projects, Base and Field Workshops (GREF) are

<u>Recommendation by companies</u>	<u>Service equivalent</u>
(a) <u>Burma Shell</u>	Grease XG-271 CAT No. H-1 (c)/9150
(i) Shell Awania No. 2 and 3.	For plants and machineries installed in projects, Base and Field Workshop (GREF) GREASE XG-279 (ASC item) is recommended.
(ii) Shell vitrea oil 33	Oil special mineral lubricating cat No. H-1(C)/9150.000029.
(iii) Shell vitrea oil 69	There is no exact equivalent of this product in service.
	Oil special mineral lubricating Cat NO. H-

<ul style="list-style-type: none"> (iv) Shell Nerita Grease (v) Shell Telus oil 33 	<p>1 (C)/9150.000029 may be taken into use if found suitable after short trial. Grease No. 3 (ASC item) Oil M-65 Cat No. H-1(C)/9150.000063 may be taken into use if found suitable after short trial.</p>
<p>(b) <u>CALTEX</u></p> <ul style="list-style-type: none"> (i) URSA oil (ii) Marax No. 2 Grease (Heavy Duty) (iii) Regal Starfak Grease No. 2 	<p>Nearest service equivalent is oil engine 30 HD (ASC item). Grease No. 3 (ASC item) Grease XG-279 (ASC item)</p>
<p>(c) <u>STANDARD VACUUM</u></p> <ul style="list-style-type: none"> (i) DTE Heavy Medium (ii) BRB No. 1 and 2 Grease (iii) <u>Vactra oil Heavy</u> 	<p>Oil special Mineral Lubricating Cat No. H-1 (c)/9150.000029 Nearest service equivalent is Grease no. 3 (ASC item) Oil special lubricating Cat NO. H-1(c)/9150.000020</p>
<p>(d) <u>TIDE WATER OIL COMPANY</u></p> <ul style="list-style-type: none"> (i) Tycal Light (ii) Tycal Heavy 	<p>Oil engine 10 HD (ASC item) Oil engine 30 HD (ASC item)</p>

5. The equivalents of the lubricants mentioned above have also been found out, as available from IOC, CALTEX ESSO and TIDE MATER OIL COMPANY. These are given in Appx 'A' to this GMI for ready reference.

6. Any difficulty on the procurement of lubricants from DGS&D be referred to HQ DGBR (E3Q Section).

EQUIVALENTS = LUBRICANTS

S/No.	Item	IOC	CALTEX	ESSO	TIDE WATER OIL CO
1	Shell Awania NO. 2 and 3	Mobilux Grease No. 2 & 3	Multifax NO. 2 & 3	Beacon 2/3	Veedol Alitho 20 & 30
2	Shell vitrea oil 33	Mobil Vactra oil Heavy Medium OR Indrex circulating oil 65	Ursa 20	Nuto 53	-
3.	Shell Vitrea Oil 69	Mobil Vactra oil extra heavy OR Indrex circulating oil 130	Ursa 40	Trosso 65	-
4.	Shell nerita Grease	Mobilux Grease No. 3	Marfax (Grease to be verified)	Beacon 2	Veedol Medum/Heavy
5.	Shell Telus oil 33	Indrex circulating oil 65	Regal starfax	Nobe 53	-
6.	Ursa oil	Dte oil Extra Heavy OR Indrex circulating oil 130	Ursa Oil	Rstor oil	-
7.	Marfax No. 2 Grease (Heavy Duty)	Mobile Grease MP	Marfax HD2	ESSO Wheer Br Grease	Veedol Medium/Heavy
8.	Regal Starfax Grease No.2	Mobilux Grease No.2	Regal Starfax No. 2	ESSO Multipurpose Grease H	-
9.	DTE Heavy medium	Dte oil Heavy medium	Regal PC IO	-	-
10.	BRB No. 1 & 2 Grease	Mobilux Grease No. 2	-	Beacon 2	Veedol Atworth medium and heavy
11.	Vactra oil heavy	Mobile vactra oil heavy	Regal PE R&O	Mullcot 52	Veedol Apcot 52
12.	Tycal light	Delvac 920	-	-	Veedol Avalon 50
13.	Tycal Heavy	Delvac 950	-	-	Veedol Avalon 60