

RESTRICTED

DIRECTORATE GENERAL BORDER ROADS

GENERAL MAINTENANCE INSTRUCTIONS

No.5

LUBRICANTS AND FLUIDS TO BE USED IN DGBR EQUIPMENT

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FEB 1962

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1

DIRECTORATE GENERAL BORDER ROADS

AMENDMENT No I

TO

GENERAL MAINTENANCE INSTRUCTION

No.5

LUBRICANTS AND FLUIDS TO BE USED IN DGBR EQUIPMENT

1. In Appendices 'A', 'B' and 'C', under the heading ' CAL TEX', *Read "Delo" for "Delco" and 'Universal Thuban 90' for 'Thuban 90' wherever they occur.*
2. *Substitute* existing Appendix 'B' by Appendix 'B' (Revised Feb 62).
3. In Appendix 'C', under the heading BURMAH SHELL, *read* TELLUS-15 *against* JELLIOS-15.

Amendment No I to GMI No 5

FEB 62

END

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3

Headquarters
16 Border Roads
Task Force
C/ 0 56 A PO

4087/168/E4

02 M ay 85

All Units : 1071 Fd wksp

TECHNICAL INSTRUCTION: FORWARDING OF

1. A copy of amendment No 3 to GMI No 5 received vide HQ DG8R letter No 67721/DGBRtE4/Tech dated 08 Apr 85 and HQGE(P) Beacon letter No 400725/42/E4EME dated 19 Apr 85 is forwarded herewith for your further necessary action.
2. Please. ack receipt.

Encls : 2

(Tirath R am)
CO II
S EO
For Commander

DIRECTOR GENERAL BORDER ROADS
AMANDMENT NO 3
GENERAL MAINTENANCE INSTRUCTION
No 5

Subsequent' to the Instruction of Servo Super oil in BRO veh, the periodicity of engine oil change Servo Super oil in ' B' veh has, been revised vide this Dte letter No. 67591/Lub/III/DGBR/ E4 Tech/260 dated 27 Oct 80 for a period of one year on experimental basis. Based on the review car ied out later, it was decided vide this Dte letter No 67591/Lub/V/DGBR/E4 Tech dated 25 Oct 83 to adopt the revised periodicity of engine oil change contained in the letter dated 27 Oct 80 referred to above, on a permanent basis. The periodicity as listed in appendix ' A' will be followed by all users units.

4

Present

Amendment No 2

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S/ N o	Make & Type of veh	Metreages for oil change in Kms			Metreages for oil change in Kms		
		1 st Change	2 nd Change	Subsequent change	1 st change	2 nd Change	Subsequent change
1	Motor Cycle Enfield	800	1000	Every 1600	500	2000	Every 3000
2	Car Ambasa dar	800	1600	Every 1600	500	2000	Every 4000
3	Jeep CJ 3 B	800	1600	Every 1600	500	2000	Every 3000
4	Jonga Nissan petrol	800	1600	Every 1600	500	2000	Every 2000
5	Truck 1 Ton Nissan	800	1600	Every 1600	500	2000	Every 2000
6	Tata Diesel Vehs (All models) Plain areas	800	1600	Every 1600	500	2000	Every 4000
7	Tata Diesel Vehs (All models) High altitude area	-	-	-	500	2000	Every 2000
8	Lorry 3 Ton Shaktiman Plain area	-	-	Every 1600	500	2000	Every 4000
9	Lorry 3 Ton Shaktiman High altitudes area	-	-	Every 1600	500	2000	Every 2000

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LUBRICANTS FOR "C" VEHICLES

S/N	Equipment		Assembly	Burmah-Shell			Standard Vacuum			Caltex			Army		
				Above 90° F	90° F to 32° F	Below 32° F	Above 90° F	90° F to 32° F	Below 32° F	Above 90° F	90° F to 32° F	Below 32° F	Above 90° F	90° F to 32° F	Below 32° F
1	International Harvester TD 9	(a)	Engine	Rimula 30	Rimula 30	Rimula 10 W	Delvac S-230	Delvac S-230	Mobil oil 10 W	Delo Super Chargge d III-30	Delo Super Chargge d III-30	Delo Super Chargge d III-10 W	-	-	-
		(b)	Crankin g motor air cleaner fuel injection pump	Do	Do	Do	Do	Do	Do	Do	Do	Do	-	-	-
		(c)	Gear box differential final drive	Spirax 140 EP	Spirax 90 EP	Spirax 80 EP	Mobilube GX 140	Mobilube GX 140	Mobilube	Universal Thuban 140	Universal Thuban 90	Universal Thuban 80	HP	HP 90	HP80
		(d)	Tracks and front Idlers	Spirax 250 EP	Spirax 140 EP	Spirax 90 EP	Do	Do	-	Do	Do	-	-	-	HP 90

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		(e)	Other Oil lubricated parts	AS			FOR		ENGINE						
2	International Harvester TD 20	(a)	Steering, Clutch, Hydraulic Booster	Rotella 10 W	Rotella 10 W	Clauvis 17	Mobilube Oil 10W	Mobilube Oil 10W	Gargoyle 155	Delo Special 10 W	Delo Special 10 W	Regal Oil A R&W	HD 10	HD 10	-
		(b)	All assemblies under Sr-1	Same	as	for	Sr	I							
				Above 90 ⁰ F	90 ⁰ F to 32 ⁰ F	Below 32 ⁰ F	Above 90 ⁰ F	90 ⁰ F to 32 ⁰ F	Below 32 ⁰ F	Above 90 ⁰ F	90 ⁰ F to 32 ⁰ F	Below 32 ⁰ F	Above 90 ⁰ F	90 ⁰ F to 32 ⁰ F	Below 32 ⁰ F
3	International Harvester TD 25	(a)	Engine	Rimula	Rimula	Rimula	Delvac	Delvac	Mobil oil	Delo Super Chargged III-30	Delo Super Chargged III-30	Delo Super Chargged III-10 W	-	-	-
		(b)	Air Cleaner & Fuel Injection Pump	Do	Do	Do	Do	Do	Do	Do	Do	Do	-	-	-
		(c)	Tracks, Pivot, Idlers,	Spirax 140 EP 27	Spirax 140 EP 27	Spirax 140 EP	Mobilube GX 140	Mobilube GX 140	Mobilube GX 140	Universal Thuban 140	Universal Thuban 140	Universal Thuban 140	-	-	-

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			Rollers												
		(d)	Hydraulic System	Tellus oil 27	Tellus oil 27	Tellus oil 15	DTE Heavy Medium	DTE Heavy Medium	Arctic 155	Regal oil	Regal oil	Capella oil	Oil Hyd	Oil Hyd	-
		(e)	Gear box & differential	Rimula 30	Rimula 30	Rimula 30	Delvac S-230	Delvac S-230	Delvac S-230	Delo Super Chargge d III-30	Delo Super Chargge d III-30	Delo Super Chargge d	-	-	-
4	Komatsu D-80	(a)	Engine starting Engine	Rotella	Rotella	Rotella	Delvac	Delvac	Mobil oil 10 W	Delo Super Chargge d III-30	Delo Super Chargge d III-30	Delo Super Chargge d III-30	HD 30	HD 30	-
		(b)	Fuel Injection Pump, Governor, Air Cleaner and Clutch	Do	Do	Do	Do	Do	Do	Do	Do	Do	Do	Do	-
				Above 90 ⁰ F	90 ⁰ F to 32 ⁰ F	Below 32 ⁰ F	Above 90 ⁰ F	90 ⁰ F to 32 ⁰ F	Below 32 ⁰ F	Above 90 ⁰ F	90 ⁰ F to 32 ⁰ F	Below 32 ⁰ F	Above 90 ⁰ F	90 ⁰ F to 32 ⁰ F	Below 32 ⁰ F
		(c)	Transmission and final Drive	Spirax	Spirax	Spirax	Mobilube	Mobilube	Mobilube	Universal Thuban 90	Universal Thuban 90	Universal Thuban 80	HP 90	HP 90	HP 80

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		(d)	Hydraulic System	Same	as	for	Sr 3	for	Assemblies	Applicable					
5	Komatsu D-50			Same	as	for	Sr 3	for	Assemblies	Applicable					
6	Galion Garder	(a)	Engine	Rimula 30	Rimula 30	Rimula 20/20 W or low	Delvac S-230	Delvac S-230	Delvac S-210	Delo Super Chargge d III-30	Delo Super Chargge d III-30	Delo Super Chargge d III-30	-	-	-
		(b)	Transmission transfer and Tendem drive	Spirax 140 EP	Spirax 90 EP	Spirax 80 EP	Mobilube GX 140	Mobilube GX 90	Mobilube GX 80	Universal Thuban 140	Universal Thuban 90	Universal Thuban 80	-	HP 90	HP 80
		(c)	Shift worm case, circle reverse and Manual steering	Spirax 90 EP	Spirax 90 EP	Spirax 80 EP	Mobilube GX 140	Mobilube GX 90	Mobilube GX 80	Universal Thuban 140	Universal Thuban 90	Universal Thuban 90	HP 90	HP 90	HP 80
		(d)	Hydraulic System & air cleaner of HS	Same as for Sr 3											
		(e)	Other oil lubricated parts	As for Engine											

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				Above 90 ⁰ F	90 ⁰ F to 32 ⁰ F	Below 32 ⁰ F	Above 90 ⁰ F	90 ⁰ F to 32 ⁰ F	Below 32 ⁰ F	Above 90 ⁰ F	90 ⁰ F to 32 ⁰ F	Below 32 ⁰ F	Above 90 ⁰ F	90 ⁰ F to 32 ⁰ F	Below 32 ⁰ F
7	Zetor Tractor 25 & 50	(a)	Engine	Rotella 30	Rotella 30	Rotella 20/20 W	Delvac 930	Delvac 930	Delvac 930	Delo SP -30	Delo SP -30	Delo SP -10W	HD 30	HD 30	HD
		(b)	Air Cleaner, Fuel Injection Pump and Governor hydraulic system	Same	as	for	Engine								
		©	Gear Box and differential	Dentax 90	Dentax 90	Dentax 80	Mobilube C 90	Mobilube C 90	Delvac 930	Universal Thuban 90	Universal Thuban 90	Universal Thuban 90	HP 90	HP 90	HP 80