

Vehicle Practice

Reference: VP 03 20	Revision: 2.1
Page: 1 of 5	
Date:	
Revised: 1996 11 29	

LUBRICATION APPLICATION AND SPECIFICATION FOR ALL CLASS OF VEHICLES AND MOBILE EQUIPMENT

Practice:

INTRODUCTION

The recommended lubricants under this practice comply with or exceed the original equipment manufacturer (OEM) warranty and N.S. Power service requirements.

INSTRUCTIONS

For lubrication application refer to the specific equipment or component listed alphabetically under this practice, e.g. aerial device, Bombardier/Flex Tracks, chassis greases, derrick/diggers, engines, transmissions, etc. Specified lubricants are listed directly opposite the application. Where lubricants are not specified, check with the OEM or the equipment service manual. In case of conflict, the OEM specified lubricant shall prevail.

Prepared by: D.C. West

Approved by: Garry Matthews

Fleet Services



Reference: VP 03 20	Revision: 2.1	LUBRICATION APPLICATION AND SPECIFICATION FOR ALL CLASS OF VEHICLES AND MOBILE EQUIPMENT
Page: 2 of 5		
Date:		
Revised: 1996 11 29		

Lubrication Application	Specification
1. <u>Aerial Device and Aerial Ladders</u>	
All grease fittings, pins, bushings, and bearings.	EP-2 Chassis grease.
Hydraulic system oil.	UNIVISS N22.
Hydraulic Filter	Parker HW5710 #77-39-3807
Rotation gear boxes.	Gear Oil - GL5 SAE 80W90-LS type.
Pitman Uni/Dyne turret (rotation gear box)	Gear oil 80W90 or EP "0" moly grease.
Open gears.	Open gear lubricant
Levelling cables.	Wire rope lubricant or dressing.
Levelling chains.	Chain oil.
Winch.	Worm gear oil 85-140
2. <u>Air Compressors</u>	
Piston type.	SAE 5W30
Rotary screw type.	Check OEM service manual.
Vane type.	Check OEM service manual.

Reference: VP 03 20	Revision: 2.1	LUBRICATION APPLICATION AND SPECIFICATION FOR ALL CLASS OF VEHICLES AND MOBILE EQUIPMENT
Page: 3 of 5		
Date:		
Revised: 1996 11 29		

Lubrication Application	Specification
3. <u>Bombardier, Flex Tracks</u>	
All grease fitting, pins, bushings and bearings.	EP-2 chassis grease.
Hydraulic systems oil.	UNIVISS N22.
Differential.	Hydraul 56.
Transmission.	Check OEM service manual.
Winch.	Worm gear oil 85-140.
Wire rope.	Wire rope lube or dressing.
Brakes.	Heavy duty DOT-3 brake fluid.
Steering.	Power Steering Fluid. Dexron II. To TOP-UP. Check OEM service manual for specified fluid.
Planetary gears.	Gear Oil GL5-SAE 80W90 (LS).
<u>Nodwell</u> (old)	Same as above.
<u>Nodwell</u> (new) C-60 series	Same as above " <u>except differential</u> " uses 80W90 LS and Dexron II 50/50 mix.
4. <u>Brakes (Hydraulic)</u>	
All hydraulic brakes use	Heavy duty DOT-3 brake fluid in master cylinder and brake system.
5. <u>Chassis Lube</u>	
Car and truck chassis. All grease fittings, king pins, ball joints, bearings, etc.	EP-2 chassis grease.

Reference: VP 03 20	Revision: 2.1	LUBRICATION APPLICATION AND SPECIFICATION FOR ALL CLASS OF VEHICLES AND MOBILE EQUIPMENT
Page: 4 of 5		
Date:		
Revised: 1996 11 29		

Lubrication Application	Specification
6. <u>Derrick/Diggers</u>	
All grease fittings, pins, bushings, and bearings, etc.	EP-2 chassis grease.
Hydraulic system oil.	UNIVISS N22.
Hydraulic Filter	HW51110 #77-39-3809
Units with hydraulic third extension & boom tip controls.	UNIVISS N22.
Rotation gear box/speed reducers.	Gear oil GL5 80W90.
Chronic leaking rotation gear boxes/speed reducers. May temporarily use EP "O" Moly grease or equivalent.	
Winches.	Worm gear oil 85-140.
Open gears.	Open gear lubricant.
Open roller chains.	Chain oil.
Digger - King Mark I.	Gear oil - GL5 80W90.
- Pitman 1 speed.	Motor oil SAE 10W30.
- King and Pitman 2 speed.	Motor oil SAE 15W40.
Top control fiberglass rods.	Silicone spray lube.
Steel tubes.	Light spray oil.
Wire rope.	Wire rope lube.

Reference: VP 03 20	Revision: 2.1	LUBRICATION APPLICATION AND SPECIFICATION FOR ALL CLASS OF VEHICLES AND MOBILE EQUIPMENT
Page: 5 of 5		
Date:		
Revised: 1996 11 29		

Lubrication Application	Specification
7. <u>Engine Motor Oil</u>	
a. 4 stroke gasoline motor.	Multigrade API SF-CC-CD SAE 10W30.
b. 4 stroke diesel motor.	Multigrade API SF-CC-CD-CE SAE 15W40.
c. 2 stoke gasoline motor.	2 cycle motor oil mix.
<p>Mixing ratio: Mix 40 to 1 and 50 to 1 for most 2 cycle motors. When not sure, check OEM specification and always premix fuel and oil before filling the fuel tank.</p>	
d. 2 stroke diesels. Detroit 353T and 454T	Single grade motor oil SP1. SP-CC-CD. SAE 30W
8. <u>Power Steering</u>	
Most power steerings.	Power steering fluid.
IHC truck with Sheppard steering.	Motor oil SAE 15W40/5W40
9. <u>Rear End Differentials</u>	
All differentials	Multipurpose multigrade gear oil API GL5 - 80W90 LS type.
10. <u>Transmission</u>	
a. Automatic (all)	ATF Dexron II.
b. Standard - IHC T-495-96. - Clark Power shift. - Spicer 50 & 60 series. - Fuller 5-speed.	Single grade motor oil SAE 50W. SAE 50W. SAE 50W./MARVALUBE 80W90 SAE 50W.
c. Check OEM Service Manual for lubrication specifications of any other transmission not listed above.	