

















## 6.1.1






















## Lubricants list

Consec. no.	GROVE-Part number	Lubricant type	Designation according to DIN 51502	Specification classification	Viscosity
1	03329588	Engine oil	HD - CD	MIL-L 2104 C DB 228.5	SAE 5 W-30
2	04162042	Gear oil		Fuchs Titan Cytrac MB Synth API-GL-4	SAE 75 W-90
3	00552891	Gear oil	C - LPF	MIL-L 2105 B API-GL-5	Hyp SAE 90 ISO - VG 220
4	01373344	Gear oil		MIL-L 2105 C API-GL-5	SHC 75 W-90
5	02310863	Gear oil		Rivolta S.K.D. 170	
6	02313611	Gear oil	C - LPF	MIL-L 2105 B API-GL-4/5 (synthetic)	SAE 75 W-90 EP ISO - VG 220
7	04162158	Hydraulic oil	HVLP	Castrol Hyspin AWH-M 32 DIN 51524-3	ISO - VG 32
8	04177395	Hydraulic oil	HVLP	Shell Tellus S2 VX 15	
9	03233369	Lubricating grease	KP - 1K - 50	DIN 51825 Renolit JP 1619	- 50 °C to + 120 °C
10	00554205	Spray		Ceplattyn 300	
11	02314698	Slide paste		PAL 1	
12	03325215	Lubricating grease		RHUS SW 2	
13	01929824	Spray		Berulub spray	
14	03133770	Lubricating grease		Elaskon 30	

## 6.1.2 Lubricant applications list

Consec. no.	Lubricant type	Usage	Fill quantity in litres	Maintenance interval
1	Engine oil	Diesel engine;  p. 7 - 25	34	Y 2
2	Gear oil	Transmission;  p. 7 - 42	15.5	Y 5
3	Gear oil	Transfer case;  p. 7 - 46	14	M 6
		1. Axle line axle centre drive;  p. 7 - 57	13.0	M 12
		4. Axle line axle centre drive;  p. 7 - 57	13.0	M 12
		2. Axle line axle centre drive;  p. 7 - 57	15.0	M 12
		3. Axle line axle centre drive;  p. 7 - 57	16.5	M 12
		6 or 8 x final drives;  p. 7 - 62	2.7	M 12
4	Gear oil	Angle drive type A;  p. 7 - 52	7.2	M 6
		Angle drive type B;  p. 7 - 52	8.6	M 6
5	Gear oil	8 x suspension struts;  p. 7 - 83	1.5 each	M 1
6	Gear oil	2 x hoists;  p. 8 - 11	3.3 each	M 12
		2 x slewing gears;  p. 8 - 19	0.9 each	M 12
7	Hydraulic oil	Carrier hydraulic tank;  p. 7 - 107	165	M 12
		Superstructure hydraulic tank;  p. 8 - 42	650	M 12
8	Hydraulic oil	Driver's cab tilting system;  p. 7 - 2	1	M 12



Consec. no.	Lubricant type	Usage	Fill quantity in litres	Maintenance interval
9	Lubricating grease	Carrier central lubrication;  p. 7 - 115		W
		Superstructure central lubrication;  p. 8 - 69		W
		Cardan shafts – transverse;  p. 7 - 64		M 1
		Cardan shafts – longitudinal;  p. 7 - 65		M 6
		Towbar coupling;  p. 7 - 131		M 1
		Outrigger beams;  p. 7 - 140		M 1
		Turntable lock;  p. 8 - 30		M 12
		Slewing angle sensor;  p. 8 - 67		Y 5
		Hook blocks;  p. 8 - 71		M 12
		Cab door hinges;  p. 7 - 141		M 12
		Carrier pins;  p. 7 - 142		M 12
		Superstructure pins;  p. 8 - 83		M 12
10	Spray	Slewing bearing gear teeth;  p. 8 - 25		M 6
11	Slide paste	Telescopic slide faces;  p. 8 - 46		M 3
12	Lubricating grease	Telescopic locking pins;  p. 8 - 46		M 3
		Derricking cylinder piston rod;  p. 8 - 45		M 1
		Cab door rails;  p. 8 - 81		M 12
		Stair tread rails;  p. 8 - 82		M 12
13	Spray	Outrigger pad/support cylinder;  p. 7 - 140		M 1
		Derricking cylinder piston rod;  p. 8 - 45		M 1
14	Lubricating grease	Lubricating the hoist ropes;  p. 8 - 53		M 3