

## Lubricant types

Manu- facturer	Oil class	Oil type	ISO VG	Grease class	Grease type	Soap basis	Drop point °C
<b>AGIP</b>	<b>Ö1</b>	BLASIA 220	220	<b>F1</b>	GR MU 2	Li	190
	<b>Ö3</b>	OSO	10/22/46	<b>F2</b>	GR CC 2	Ca	100
	<b>Ö4</b>	BLASIA S 320	320	<b>F3</b>	GR CC 3	Ca	100
<b>ARAL</b>	<b>Ö1</b>	ARAL DEGOL BG 220	220	<b>F1</b>	ARAL ARALUB HL 2	Li	180
	<b>Ö2</b>	ARAL DEGOL GS 460	460	<b>F2</b>	ARAL ARALUB FM 2		
	<b>Ö3</b>	ARAL SUMOROL CM	10/22/46	<b>F3</b>	ARAL ARALUB FM 3	Ca	98
	<b>Ö4</b>	ARAL DEGOL GS 320	320				
<b>BP</b>	<b>Ö1</b>	BP ENERGOL GR-XP 220	220	<b>F1</b>	BP ENERGREASE LS 2	Li	>190
	<b>Ö2</b>	BP ENERGOL SG-XP 460	460	<b>F2</b>	BP ENERGREASE PR 2	Ca	100
	<b>Ö3</b>	BP ENERGOL HLP	10/22/46	<b>F3</b>	BP ENERGREASE HT 0	Na	164
	<b>Ö4</b>	BP ENERSYN SG-XP 320	320				
<b>CALYP- SOL</b>	<b>Ö3</b>	UK-ECUBSOL OIL HYB	10/22/46	<b>F1</b>	CALYPSOL H 442	Li	190
				<b>F2</b>	CALYPSOL W II	Ca	100
				<b>F3</b>	CALYPSOL D 6024	Na	145
<b>CASTROL</b>	<b>Ö3</b>	CASTROL HYPIN SP **	10/22/46	<b>F1</b>	CASTROL SPHEEROL AP 2	Li	195
	<b>Ö4</b>	CASTROL TRIBOL 800/320	320	<b>F2</b>	CASTROL SPHEEROL AP 2	Li	195
				<b>F3</b>	CASTROL GRIPPA 60S		
<b>ESSO</b>	<b>Ö1</b>	SPARTERM EP 220	220	<b>F1</b>	BEACON 2	Li	185
	<b>Ö3</b>	SPINESSO	10/22/46	<b>F2</b>	CAZAR K2	Ca	95
				<b>F3</b>	CAZAR K1	Ca	95

<b>Manu- facturer</b>	<b>Oil class</b>	Oil type	ISO VG	<b>Grease class</b>	Grease type	Soap basis	Drop point °C
<b>FINA</b>	<b>Ö3</b>	FINA HYDRAN	10/22/46	<b>F1</b>	FINA MARSON L 2	Li	190
	<b>Ö4</b>	FINA CARTER SY 320	320	<b>F2</b>	FINA MERKAN 2	Ca	95
	<b>Ö5</b>	TOTAL CARTER SH 150	150	<b>F3</b>	FINA NATRAN 00	Na	160
<b>Fuchs</b>	<b>Ö1</b>	Renolin CLP 220	220	<b>F1</b>	Stabyl ECO EP2*	Li	170
	<b>Ö2</b>	Renolin PG 460	460	<b>F1</b>	Stabyl A2-EP	Li	190
	<b>Ö3</b>	Kompranol 1002	10/22/46	<b>F3</b>	Stabyl ECO 00*	Li	190
	<b>Ö4</b>	Renolin PG 320	320	<b>F3</b>	Gearmaster Li350	Li	175
	<b>Ö5</b>	GEARMASTER SYN 150	150				
<b>KLÜBER</b>	<b>Ö1</b>	LAMORA 220	220	<b>F1</b>	CENTOPLEX 2	Li	190
	<b>Ö2</b>	KLÜBERSYNTH GH 6-460	460	<b>F2</b>	STABURAGS NBU 12/300 KP	Ba	>200
	<b>Ö3</b>	CRUCOLAN	10/22/46	<b>F3</b>	GRAFLOSCON C-SG 0	Al	110
	<b>Ö4</b>	KLÜBERSYNTH GH 6-320	320	<b>F5</b>	STABURAGS NBU12	Ba	>200
	<b>Ö5</b>	KLÜBERSYNTH EG 4-150	150				
<b>LUBCON</b>				<b>F4</b>	THERMOPLEX 2 TML		
<b>MOBIL</b>	<b>Ö1</b>	MOBILGEAR 630	220	<b>F1</b>	MOBILUX 2	Li	>180
	<b>Ö2</b>	MOBIL GLYGOYLE HE 460	460	<b>F2</b>	MOBILPLEX 47	Ca compl.	>260
	<b>Ö3</b>	MOBILVELOCITE OIL No 6	10/22/46	<b>F3</b>	MOBILPLEX 47	Ca compl.	>260
	<b>Ö4</b>	MOBIL GLYGOYLE HE 320	320	<b>F4</b>	MOBILUX 2	Li	194
	<b>Ö5</b>	MOBIL SHC 629	150				

<b>Manu- facturer</b>	<b>Oil class</b>	Oil type	ISO VG	<b>Grease class</b>	Grease type	Soap basis	Drop point °C
<b>SHELL</b>	<b>Ö1</b>	SHELL OMALA 220	220	<b>F1</b>	SHELL ALVANIA GREASE R2	Li	185
	<b>Ö2</b>	SHELL TIVELA	460	<b>F2</b>	SHELL UNEDO GREASE 2	Ca	105
	<b>Ö3</b>	SHELL TELLUS OIL	10/22/46	<b>F3</b>	SHELL special gear grease		
	<b>Ö4</b>	SHELL OMALA HD 320	320	<b>F4</b>	SHELL ALVANIA G2		
	<b>Ö5</b>	SHELL OMALA HD	150	<b>F4</b>	SHELL ALVANIA R3		
<b>DEA / TEXACO</b>	<b>Ö3</b>	RANDO OIL	10/22/46	<b>F1</b>	GLISSANDO FT 2	Li	200
	<b>Ö4</b>	SYNLUBE CLP 320	320	<b>F2</b>	NOVATEX GREASE EP 2	Ca	135
				<b>F3</b>	GLISSANDO FG 30 EP	Na	140
<b>Zeller &amp; Gmelin</b>	<b>Ö1</b>	Divinol ICL	220	<b>F1</b>	Divinol grease L 2	Li	>190
	<b>Ö3</b>	Divinol GWA	10/22/46	<b>F2</b>	Divinol Multiterm 2	Ca	280
				<b>F3</b>	Divinol Fibrous 2	Li	>190

\* Environmentally friendly

\*\* Free of heavy metals

M = mineral

S = syntholube

## 5.3.1.2 Lubricant applications



### NOTICE!

#### Use of greases

Only the following grease types are to be used for F4 (the greases are listed in the order of preference).

1. LUBCON THERMOPLEX2 TML,
2. SHELL ALVANIA G2,
3. MOBIL MOBILUX 2,
4. SHELL ALVANIA R3.

### Lubricant applications

Category / lubricant	Application
Ö1	Conveyor belt drive (CoWeMat), elevator motor (CoWeMat 395F)
Ö2	Doffing bar drive (CoWeMat)
Ö3	Spindles, depending on the load: Ö3.1: ISO VG 10 Ö3.2: ISO VG 22 Ö3.3: ISO VG 46
Ö4	Winding gearing (only syntholubes)
Ö5	ServoDraft / SynchroDraft (only syntholubes)
F1	Toothed belt tensioning device, tangential belt tensioning rolls, tangential belt deflection rollers, drive shaft, contact roll assemblies, threaded spindle of the lifting unit (CoWeMat)
F2	Bottom roller bearings
F3	Worm of the roving guide drive
F4	Tangential belt deflection rollers on the spindle drive motors
F5	Bearings on the spindle drive motors



### ATTENTION!

#### Oil quality

Please note that the oil must not contain any graphite or other conductive components.



### NOTICE!

#### Lubricant quantity

Please note that the information on the type plate is binding for the respective amount of lubricant.