	Umgebungstemperatur /	DIN (ISO) API		ISO, SAE NLGI	Mobil	Shell	Klüber Lubrication	bp	ARAL	Texaco	Castrol Tribol	Castrol Optimol	Fuchs	Total
R..	NEU -15 Standard +40		CLP (CC)	VG 220	Mobilgear 600 XP 220	Shell Omala 220	Klüberoil GEM 1-220 N	BP Energol GR-XP 220	Aral Degol BG 220	Meropa 220	Tribol 1100/220	Optigear BM 220	Renolin CLP 220	Carter EP 220
	-20 NEU +80		CLP PG	VG 220	Mobil Glygoyle 220	Shell Tivela S 220	Klübersynth GH 6-220	BP Enersyn SG-XP 220	Aral Degol GS 220	Synlube CLP 220	Tribol 800/220	Optiflex A 220	Renolin PG 220	Carter SY 220
K..(HK..)	* -20 NEU NEU +60		CLP HC	VG 220	Mobil SHC 630	Shell Omala HD 220	Klübersynth GEM 4-220 N		Aral Degol PAS 220	Pinnacle EP 220	Tribol 1510/220	Optigear Synthetic X 220	Renolin Unisyn CLP 220	
	* -40 +40		CLP HC	VG 150	Mobil SHC 629	Shell Omala HD 150	Klübersynth GEM 4-150 N			Pinnacle EP 150		Optigear Synthetic X 150	Renolin Unisyn CLP 150	Carter SH 150
	-20 +25		CLP (CC)	VG 150 VG 100	Mobilgear 600 XP 100	Shell Omala 100	Klüberoil GEM 1-150 N	BP Energol GR-XP 100	Aral Degol BG 100	Meropa 150	Tribol 1100/100	Optigear BM 100	Renolin CLP 150	Carter EP 100
F.	-30 +10		HLP (HM)	VG 68-46 VG 32	NEU Mobil DTE 10 Excel 32	Shell Tellus T 32	Klüberoil GEM 1-68 N		Aral Degol BG 46	Rando EP Ashless 46	Tribol 1100/68	Optigear 32	Renolin B 46 HVI	Equivis ZS 46
	* -40 +20		CLP HC	VG 68	Mobil SHC 626	NEU Shell Omala HD 68							Renolin Unisyn CLP 68	
	* -40 NEU 0		CLP HC	VG 32	Mobil SHC 624		Klüber-Summit HySyn FG-32			Cetus PAO 46		Optileb HY 32	Renolin Unisyn OL32	Dacnis SH 32
	* -40 -20		HLP (HM)	VG 22 VG 15	NEU Mobil DTE 10 Excel 15	Shell Tellus T 15	ISOFLEX MT 30 ROT	BP Energol HLP-HM 15		Rando HDZ 15		Hyspin AWS 22	Renolin MR 310	Equivis ZS 15
	0 Standard +40	Öl	CLP (CC)	VG 680	Mobilgear 600 XP 680	Shell Omala 680	Klüberoil GEM 1-680 N	BP Energol GR-XP 680	Aral Degol BG 680	Meropa 680	Tribol 1100/680	Optigear BM 680	Renolin SEW 680	Carter EP 680
	-20 NEU +80	Oil	CLP PG	VG 680 1)	NEU Mobil Glygoyle 680	Shell Tivela S 680	Klübersynth GH 6-680	BP Enersyn SG-XP 680		Synlube CLP 680	Tribol 800/680	Optiflex A 680	Renolin PG 680	
S.. (HS..)	-20 NEU +60 NEU		CLP HC	VG 460	Mobil SHC 634	Shell Omala HD 460	Klübersynth GEM 4-460 N			Pinnacle EP 460		Optigear Synthetic X 460	Renolin Unisyn CLP 460	
	* -40 +30 NEU		CLP HC	VG 150	Mobil SHC 629	Shell Omala HD 150	Klübersynth GEM 4-150 N			Pinnacle EP 150		Optigear Synthetic X 150	Renolin Unisyn CLP 150	Carter SH 150
	-20 +10		CLP (CC)	VG 150 VG 100	Mobilgear 600 XP 100	Shell Omala 100	Klüberoil GEM 1-150 N	BP Energol GR-XP 100	Aral Degol BG 100	Meropa 150	Tribol 1100/100	Optigear BM 100	Renolin CLP 150	Carter EP 100
	-20 NEU +40 NEU		CLP PG	VG 220 1)	Mobil Glygoyle 220	Shell Tivela S 220	Klübersynth GH 6-220	BP Enersyn SG-XP 220	Aral Degol GS 220	Synlube CLP 220	Tribol 800/220	Optiflex A 220	Renolin PG 220	Carter SY 220
	* -40 +20		CLP HC	VG 68	Mobil SHC 626	NEU Shell Omala HD 68							Renolin Unisyn CLP 68	
	* -40 0		CLP HC	VG 32	Mobil SHC 624		Klüber-Summit HySyn FG-32			Cetus PAO 46		Alphasyn T 32	Renolin Unisyn OL32	Dacnis SH 32
R.. K.. / HK.. F.. S.. / HS..	-10 +40		CLP HC NSF H1	VG 460		Shell Cassida Fluid GL 460	Klüberöl 4UH1-460 N					Optileb GT 460	Geralyn SF 460	
	-20 NEU +30 NEU		CLP HC NSF H1	VG 220		Shell Cassida Fluid GL 220	Klüberöl 4UH1-220 N					Optileb GT 220		
	* -40 0		CLP HC NSF H1	VG 68		Shell Cassida Fluid HF 68	Klüberöl 4UH1-68 N					Optileb HY 68		
	-20 +40		E	VG 460			Klüberbio CA2-460				Tribol Bio Top 1418/460		NEU Plantogear 460 S	
W.. (HW..)	-20 Standard +40		SEW *	VG 460 2)			Klüber SEW HT-460-5							
	* -40 +10		API GL5	SAE 75W90 (~VG 100)	Mobil Synth Gear Oil 75 W90									
	-20 NEU +60		H1 PG	VG 460 2) 3)			Klübersynth UH1 6-460							
PS F NEU	-20 Standard +80		CLP PG	VG 220			Klübersynth GH 6-220							
	-20 NEU +60		H1 PG	VG 460 2) 3)			Klübersynth UH1 6-460							
	* -40 NEU 0		CLP HC	VG 32	Mobil SHC 624									
PS C NEU	-10 Standard +40		CLP (CC)	VG 220	Mobilgear 600 XP 220									
	-20 +40	Fett / Grease	DIN 51 818	.00	Mobilux EP 004									
	-20 +40			1			NEU Klübersynth UH1 14-151							
	* -40 NEU 0		CLP HC	VG 32	Mobil SHC 624									
BS F NEU	* -40 Standard +40		API GL5	SAE 75W90 (~VG 100)	Mobil Synth Gear Oil 75 W90									
	-20 NEU +60		H1 PG	VG 460 2) 3)			Klübersynth UH1 6-460							

sythetic lubricant
mineral lubricant

◣ filling in SEW Germany
◢ filling in SEW France

Lubricant Category 1:
Presently **recommended** lubricant which is available from the works Graben /Haguenau (notice marker ◣ or ◢).
Investigations at regualar intervals by the development department.

Lubricant Category 2:
Lubricants which were testet one time. There no investigations at regualar intervals by the central development department.
They are only **partly** available from the works Graben/Haguenau, partly the part numbers were only created for the individual use of the EURODRIVES. For these lubricants are no data available in drivenet.

Lubricant Category 3:
Lubricants which are permissible in accordance with the technical regulations but **not testet** by the central development department.
They are **not** available from the works Graben/Haguenau.
These part numbers only exist because of the demand of single EURODRIVES for special applications. no data sheets available

CLP	mineral oil
CLP PG	Polyglykol (W gear units, conforms to USDA-H1)
CLP HC	synthetic hydrocarbons
E	ester oil (water pollution danger category WGK1)
HCE	synthetic hydrocarbons + ester oil (USDA-H1 certification)
HLP	hydraulic oil
1)	helical worm gear units with PG oil: Please contact SEW
2)	special lubricant for Spiroplan® gear units only
3)	recommendation: select SEW-fB ≥ 1,2
*	Note critical starting behavior at low temperatures!

lubricant for the foodstuffs industry (food oil industry)

biodegradable oil (lubricant for use in agriculture, forestry and water resources)