



Synthetic gear lubricants are based upon polyalphaolefin (PAO) technology

Syncon GEO Plus Gear Oil is formulated with synthetic polyalphaolefin (PAO) base oils, a viscosity modifier and a non-chlorinated extreme-pressure additive package.

It has outstanding oxidation resistance and thermal stability at high temperatures to help minimize deposit formation and provide long service life.

It has high load-carrying capacity for protection against scuffing and wear, and protects against rust, corrosion and foaming.

It has a high viscosity index and low pour point for use in equipment operating under extreme temperatures or over a very wide temperature range.

Features/Benefits

- Outstanding oxidation resistance and thermal stability at high temperatures
- Outstanding low-temperature properties
- High viscosity index and low pour point for use over a wide temperature range
- Excellent extreme-pressure properties
- Protects against scuffing and wear
- Protects against rust and corrosion
- Non-chlorinated additive system
- Suitable for year-round use
- Extended service intervals compared with conventional mineral oil-based gear oils

Applications

- Heavily loaded enclosed gearboxes, such as those commonly found in mine hoists and mining machinery
- Enclosed industrial gearboxes operating at very low or very high temperatures, or operating continuously at higher than normal operating temperatures
- Heavily loaded plain and rolling-element bearings operating under extreme temperatures
- Applications where the equipment manufacturer recommends a high VI synthetic EP gear oil Syncon GEO Plus Gear Oil meets the requirements of the following industry and OEM specifications:

- ANSI/AGMA Standard 9005-E02
- Cincinnati Machine P-74 (ISO VG 220), P-59 (ISO VG 320), P-35 (ISO VG 460)
- DIN 51517 Part 3, Lubricating Oils, Type CLP HC
- German Steel Industry SEB 181226, Type CLP HC
- ISO 12925-1:1996, Type L-CKC
- Joy Machinery TO-SHEP (ISO VG 320), TO-SMEP (ISO VG 220)
- U.S. Steel 224



GRADE	TEST METHOD	Unit	SYNCON GEO		
			220	320	460
Density @60°F		Lbs/Gln	7.25	7.26	7.33
Flash Point	ASTM D 92	°C	243	243	243
Kin Viscosity @40°C	ASTM D 445	cSt	222	320	460
Kin Viscosity @100°C	ASTM D 445	cSt	26.5	34.7	44.6
Viscosity Index	ASTM D 2270	-	130	169	216
Pour Point	ASTM D 97	°C	-45	-42	-39
4-Ball Welding Load	ASTM D 4172	KgF	250	250	250
Timken OK Load	ASTM D 2782	Lbs/Gln	>60	>60	>60