

EKO GEARLUB SYNTHETIC PG

Polyalkylene glycol (PAG) based synthetic industrial gear lubricants

Description

The EKO GEARLUB SYNTHETIC PG lubricant series includes full synthetic, polyalkylene glycol (PAG) based industrial gear lubricants, designed for closed gearboxes and circulating systems operating in a variety of industrial applications and in very hard conditions.

EKO GEARLUB SYNTHETIC PG lubricants are produced with the latest additives and with selected water-soluble polyalkylene glycols, providing excellent performance and protection against wear and micropitting. As a result, they exceed the latest specifications set by major gear manufacturers.

Applications

- Suitable for all types of closed gearboxes operating under extreme thermal and mechanical stress.
- Recommended especially for the lubrication of worm gears, as the low friction coefficient of polyalkylene glycol decreases energy consumption and operating temperatures.
- Suitable for chains and conveyors.
- Suitable for rotary and reciprocating compressors.
- Suitable for furnaces and ovens.

Specifications

DIN 51517 Part 3 CLP, David Brown Type G, Flender BA T 7300 A + B.

Advantages

- Excellent protection from wear and micropitting.
- Their very high viscosity index and low pour point guarantee optimal performance at low temperatures and operation in a broad range of temperatures.
- High resistance to oxidation and thermal breakdown.
- Excellent anti-corrosion and anti-rust protection.
- Suitable for long oil drain intervals and filled-for-life gearbox applications.
- No negative effects on the most common elastomers and seals used in the industry.

Typical Characteristics

			EKO GEARLUB SYNTHETIC PG					
Properties	Methods	Units	150	220	320	460	680	1000
ISO Viscosity Grade	-	-	150	220	320	460	680	1000
Density, 15°C	ASTM D4052	g/ml	1.057	1.057	1.058	1.067	1.072	1.089
Kinematic Viscosity, 40°C	ASTM D445	cSt	150	220	320	460	680	1000
Kinematic Viscosity, 100°C	ASTM D445	cSt	28.8	41.3	58.7	82.2	116.7	165.3
Viscosity Index (VI)	ASTM D2270	-	232	242	252	262	272	284
Pour Point	ASTM D5950	°C	-47	-42	-40	-36	-33	-30
Flash Point, COC	ASTM D92	°C	284	284	282	284	287	296
FZG A/8,3/90	DIN 51354-2	Fail Load Stage	>12	>12	>12	>12	>12	>12

Special Instructions

The lubricants of the EKO GEARLUB SYNTHETIC PG series are not compatible with polyalphaolefins, mineral oils and esters. Avoid contact of EKO GEARLUB SYNTHETIC PG lubricants with polyurethane elastomers and materials such as paper, cork and leather. Conventional paints used in the industry soften when in contact with the EKO GEARLUB SYNTHETIC PG series lubricants and, therefore, gearbox internal surfaces must not be painted or must have resistant coating.

Health and safety

Protect the environment while disposing of used product. Used lubricants should be collected at specific points to ensure they do not pollute the environment. Do not mix with solvents, brake fluids, antifreeze fluids and water, to allow for proper handling.

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