Product Data sheet

EKO GEARLUB

Industrial gear oils

Description

EKO GEARLUB is a series of premium mineral-based lubricants, suitable for industrial applications where extreme-pressure (EP) additives are required. Use to lubricate industrial gearboxes, including worm gears and hypoid gears, in applications where operating temperature can reach 100°C.

EKO GEARLUB gear oils are suitable for the lubrication of ball bearings and friction-type bearings, provided the metals are not affected by EP additives.

Applications

- Suitable for a broad range of industrial and marine applications requiring industrial gear lubricants with EP additives.
- Suitable for heavy-load gearboxes, including worm gears and hypoid gears, and for gearboxes operating in shock load applications.

Specifications

DIN 51517 PART 3 CLP, DAVID BROWN S1.53.101 (E), AIST 224, AGMA 9005-E02 (EP).

Advantages

- Its excellent heavy-load and shock-load carrying capacity reduces wear in gears and bearings, leading to less non-operating periods and lower repair and maintenance costs.
- Its outstanding resistance to oxidation at high temperatures maintains lubricant viscosity and minimizes deposits, increasing gear cleanliness and lifespan of lubricant.
- Effective anti-rust and anti-corrosion protection that leads to reduced maintenance costs.
- Excellent water separation and foam resistance, providing optimal lubrication and smooth equipment operation.

Typical Characteristics

			EKO GEARLUB							
Properties	Methods	Units	68	100	150	220	320	460	680	1000
ISO Viscosity Grade	-	-	68	100	150	220	320	460	680	1000
Density, 15°C	ASTM D4052	g/ml	0.888	0.889	0.896	0.898	0.902	0.903	0.912	0.920
Kinematic Viscosity, 40°C	ASTM D445	cSt	68	100	150	220	320	460	680	1000
Viscosity index (VI)	ASTM D2270	-	99	99	98	98	97	95	94	91
Pour Point	ASTM D5950	°C	-30	-27	-27	-27	-15	-12	-9	-9
Flash Point, COC	ASTM D92	°C	226	234	240	242	252	264	276	282
Foaming Characteristics, Tendency/Stability, Seq. I, II, III	ASTM D892	ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
FZG A/8.3/90, Load Stage	ISO 14635-1	Failure Load Stage	12+	12+	12+	12+	12+	12+	12+	12+
4-Ball EP test, weld load, min	ASTM D2783	kg	250	250	250	250	250	250	250	250

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.

30 January 2025