



PRODUCT DATA SHEET



EKO GEARLUB SYNTHETIC

Polyalphaolefin (PAO) based synthetic industrial gear lubricants

DESCRIPTION

The EKO GEARLUB SYNTHETIC lubricant series includes premium performance, full-synthetic industrial gear lubricants based on polyalphaolefin (PAO) base stocks, especially designed for industrial gearboxes and circulating systems operating in applications with very high or low temperatures and very heavy loads.

SPECIFICATIONS

DIN 51517 PART 3 CLP, US STEEL 224, FLENDER AG, ISO 12925-1 CKD.

APPLICATIONS

- Industrial and marine applications, characterized by heavy loads and extreme operating temperatures, where conventional, mineral industrial gear oils do not provide a satisfactory lifespan.
- Applications with very high costs of oil draining and of maintaining and replacing the equipment.
- Applications in which the same lubricant remains in the gearbox throughout its entire operational life (filled for life), including worm gear applications.

ADVANTAGES

- Excellent protection from oxidation and thermal breakdown, providing a longer lifespan for the lubricant at high temperatures than other, mineral-based lubricants, and highly reliable equipment operation.



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ADVANTAGES

- Its high viscosity index guarantees optimal lubricant performance at low temperatures and the conservation of an adequate lubricating membrane at high temperatures.
- High load-carrying capacity, resulting in optimal equipment protection from wear and micropitting, longer oil drain intervals and, ultimately, a reduction in maintenance costs.

TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO GEARLUB SYNTHETIC			
			150	220	320	460
ISO Viscosity Grade	-	-	150	220	320	460
Kinematic Viscosity at 40°C	ASTM D 445	cSt	150.4	218.5	322.2	460.4
Viscosity Index (VI)	ASTM D 2270	-	154	154	155	156
Density at 15°C	ASTM D 4052	g/ml	0.865	0.875	0.879	0.884
Pour Point	ASTM D 5950	°C	-41	-39	-39	-42
Flash Point	ASTM D 92	°C	250	270	275	280
FZG scuffing test, A/16.6/90	DIN 51534 mod	Fail Stage	>12	>12	>12	>12



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SPECIAL INSTRUCTIONS

The EKO GEARLUB SYNTHETIC oil series is compatible with mineral-based industrial gear oils. However, mixing EKO GEARLUB SYNTHETIC oils with mineral-based industrial gear oils reduces oil performance.

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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This data sheet provides basic information on the product as at the date of drafting. For further information regarding applications, please contact EKO ABEE Technical Support, tel. +30 210 5509 511 and +30 210 7725 418. Advice on safe handling is provided in the Safety Data Sheet.