



## PRODUCT DATA SHEET



### EKO GEAROL LONGDRAIN SYNTHETIC 75W-90

Synthetic automotive API GL-4/GL-5 gear oil for long drain intervals

#### DESCRIPTION

EKO GEAROL LONGDRAIN SYNTHETIC 75W-90 is a premium-performance full synthetic automotive gear oil. Designed for very long drain intervals, it provides a much higher level of anti-wear protection than other synthetic gear lubricants with the same viscosity grade.

EKO GEAROL LONGRAIN SYNTHETIC 75W-90 is suitable for mechanical gearboxes, differentials and final drives in passenger vehicles, commercial vehicles and earthmoving equipment where API GL-4 or API GL-5 lubricants are required.

EKO GEAROL LONGRAIN SYNTHETIC 75W-90 is produced with synthetic base oils (polyalphaolefins) with a very high viscosity index and low pour point that provide a powerful lubricating membrane and premium performance at low temperatures. Reinforced with extreme pressure (EP) additives and oxidation, rust and corrosion inhibitors, it provides excellent protection against wear and corrosion to gearwheels and bearings.

The abovementioned lubricant features provide for extended drain intervals and optimal performance in applications characterized by high temperatures and very heavy loads.

#### SPECIFICATIONS

API GL-4/GL-5, API MT-1, SAE J2360, MIL-PRF-2105E, ARVIN MERITOR 0-76-N, DAF, DETROIT DIESEL DFS93K219.01, IVECO, MAN 342 Type S1, MAN 342 Type M3, MAN 341 Type Z2, MACK GO-J, MB 235.8, SCANIA STO 2:0A FS, SCANIA STO 1:0, VOLVO 97312, ZF TE-ML 02B, 05A, 07A, 12B, 12L, 12N, 16B, 16F, 17B, 19C, 21A.

Suitable for use: MB 235.11, RENAULT (RENAULT note technique B0032//2 annex 3).

#### APPLICATIONS

- Suitable for the lubrication of gearwheels operating at very high temperatures and very heavy loads.
- Suitable for very extended lubricant operating periods.
- Suitable for mechanical transmissions with API GL-4 or API GL-5 requirements, including synchromesh transmissions.



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### ADVANTAGES

- Meets the latest manufacturer specifications, such as MERCEDES BENZ, MAN, ZF, VOLVO, SCANIA, IVECO, RENAULT, DAF, DETROITDIESEL and others, making it suitable for a variety of extremely demanding applications.
- Its outstanding fluidity at low temperatures offers efficient equipment protection at low temperatures, smooth operation of gearboxes and greater fuel economy.
- Its excellent shear strength at high temperatures maintains a powerful lubricating membrane and guarantees extended lifespan for lubricant and equipment.
- Excellent protection of gearwheels and bearings from wear and micropitting.

### PRODUCT CHARACTERISTICS

Properties	Methods	Units	EKO GEAROL LONGDRAIN SYNTHETIC 75W-90
SAE Viscosity Grade	-	-	75W-90
Density at 15°C	ASTM D 4052	g/ml	0.866
Kinematic Viscosity at 100°C	ASTM D 445	cSt	15.01
Kinematic Viscosity at 40°C	ASTM D 445	cSt	89.7
Viscosity Index (VI)	ASTM D 2270	-	178
Pour Point	ASTM D 5950	°C	-51
Flash Point	ASTM D 92	°C	220
Brookfield Viscosity at -40°C	DIN 51398	cP	40100 (*)
Viscosity shear stability in a taper rolling bearing ring, 20 hrs at 60°C	CEC L-45-A-99		
Viscosity at 100°C, initial		cSt	15.00 (*)
Viscosity 100°C, final		cSt	13.89 (*)
Viscosity Loss at 100°C		%	7,4% (*)

Data with (\*) provided by German laboratory certified to conduct the required tests.



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### 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.