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Gear Oil EP GL-5

SAE 80W-90

Lubricant for mechanical transmissions, not limited slip differentials and final drives.

PAKELO GEAR OIL EP GL-5 SAE 80W-90 is a mineral based lubricant specific for heavy loaded gears and in general all couplings working under very heavy working conditions where the following performances are required: API GL-5 and MIL-L-2105D.

The particular and updated performance additive package confers to PAKELO GEAR OIL EP GL-5 SAE 80W-90 high anti-oxidative, anti-rust, anti-wear, anti-foam properties and excellent EP (Extreme Pressure) performances.

The EP additivation prevents wear phenomena due to scoring, ruffle, abrasion and stretching of gear cogs (also hypoid).

The high quality EP formula enables to effectively resist to the formation of micro welding on the surface of cogs preventing metal-on-metal contact and thus wear phenomena due to scoring, ruffle, abrasion and stretching of gear cogs (also hypoid).

PAKELO GEAR OIL EP GL-5 SAE 80W-90 has been used in heavy/medium/light duty vehicles with an extended number of kilometers in every working and ambient condition, always guaranteeing an high and long-lasting performance.

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Application fields

PAKELO GEAR OIL EP GL-5 SAE 80W-90 can be used for mechanical transmissions in general, gearboxes, differentials (not limited slip) and reduction units where a lubricant with API GL-5 performance level is requested.

The choice of suitable viscosity grades must be made in compliance with Recommendations from Constructors and according to ambient temperatures.

Performance Levels

API GL-5, **DAF**, **MIL-L-2105D**, **MB** 235.0, **MAN** 342 Type M-1, **VOLVO** 97310, **VOLVO** 97316, **ZF** TE-ML 07A / 08 / 16B / 16C / 16D / 17B / 19B / 21A.

Chemical-Physical Characteristics

Gear Oil EP GL-5	Method analysis	Unit measure	Value SAE 80W-90
Density at 15°C	ASTM D1298	kg/l	0,898
Kinematic Viscosity at 40°C	ASTM D445	cSt	139,2
Kinematic Viscosity at 100°C	ASTM D445	cSt	14,7
Viscosity Index	ASTM D2270	-	105
Brookfield Viscosity at -26°C	ASTM D2983	cP	70.000
Flash Point (C.O.C.)	ASTM D92	°C	> 200
Pour Point	ASTM D97	°C	-26

The data just above refer to average values and must not be understood as guaranteed characteristics.

This Technical Data Sheet has been carefully checked to guarantee complete and precise information. However, we do not take any responsibility in case of damages caused by any mistakes or omissions. Due to continual product research and development, the information contained herein is subject to change without notification.