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Gear Oil EP/E GL-5

SAE 80W-90

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

PAKELO GEAR OIL EP/E 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 API GL-5 and MIL-L-2105D performances are required.

The particular and updated performance additive package confers to PAKELO GEAR OIL EP/E 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).

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Application fields

PAKELO GEAR OIL EP/E 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, MIL-L-2105D, MAN 342 Type M1.

Chemical-Physical Characteristics

Gear Oil EP/E GL-5	Method analysis	Unit measure	Value SAE 80W-90
Density at 15°C	ASTM D1298	kg/l	0,893
Kinematic Viscosity at 40°C	ASTM D445	cSt	136,4
Kinematic Viscosity at 100°C	ASTM D445	cSt	14,5
Viscosity Index	ASTM D2270	-	105
Brookfield Viscosity at -26°C	ASTM D2983	cP	110.000
Flash Point (C.O.C.)	ASTM D92	°C	> 200
Pour Point	ASTM D97	°C	-28

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.