



NAVIGATOR MHQ GL-5 80W-90

Description

Extreme Pressure multigrade lubricant oil recommended for use in vehicle differentials or hypoid and helical transmissions, as well as transmission final drives for trains and manual gearboxes requiring API GL-5 oil.

Properties

- Excellent capacity for withstanding peak loads and temperatures. Extreme Pressure (EP).
- Very good resistance to ageing.
- Excellent antirust and antifoam properties.
- Aids lubrication at low temperatures.
- As it is a multigrade oil it offers excellent protection in very severe temperature and use conditions.
- Offers a better response to manual gearbox synchronisation than a monograde oil thanks to its lower friction in gear cogs, particularly at low temperatures.
- Good antiwear properties, thus extending useful transmission life.

Quality levels, approvals and recommendations

- API: GL-5
- MIL: L-2105 D
- MAN: 342 M1/ 342 M2
- ZF TE-ML: 05A/07A/08/12E/16B/17B/19B/21A

Technical specifications

	UNIT	METHOD	VALUE
SAE Grade			80W-90
Density at 15 °C	g/mL	ASTM D4052	0.899
Viscosity at 100 °C	cSt	ASTM D445	15.4
Viscosity at 40 °C	cSt	ASTM D445	140
Viscosity at -26 °C	cP	ASTM D2983	< 150.000
Viscosity index	-	ASTM D2270	> 105
Flash point, open cup	°C	ASTM D92	> 170
Pour point	°C	ASTM D97	-27
FZG, Step 12		DIN 51354	Pass
Four-ball engine, wear load index		ASTM D2783	> 50

The above mentioned characteristics are typical values and should not be considered product specifications.