



NAVIGATOR HQ GL-5

Description

Extreme Pressure multigrade lubricant oil recommended for use in vehicle differentials or hypoid and helical transmissions, as well as Voith 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

- DTFR: 12B100* (80W-90)
 - ZF TE-ML: 07A, 08, 16C, 16D, 21A* (85W-140)
 - API: GL-5 (80W-90, 85W-140)
 - MAN: 342 M1 (80W-90)
 - RENAULT: Axle (80W-90)
 - VOLVO: 97310 (85W-140)
 - MB: 235.0* (80W-90)
 - ZF TE-ML: 16B, 17B, 19B, 21A* (80W-90)
 - DAF: API GL-5 (80W-90, 85W-140)
 - MIL-L-2105D (80W-90, 85W-140)
 - VOITH: Turbo 132.00374400 (formerly 3.325-339)* (80W-90)
- *Formal approval

Technical specifications

	UNIT	METHOD	VALUE	
SAE Grade			80W-90	85W-140
Density at 15 °C	g/cm3	ASTM D4052	0.899	0.910
Kinematic viscosity at 100 °C	cSt	ASTM D445	15.4	28.3
Kinematic viscosity at 40 °C	cSt	ASTM D445	140	400
Brookfield Viscosity at -26 °C	cP	ASTM D2983	<150,000	
Brookfield Viscosity at -12 °C	cP	ASTM D2983		<150,000
Viscosity index		ASTM D2270	>105	>95
Flash point, open cup	°C	ASTM D92	>170	>190
Pour point	°C	ASTM D97	-27	-18
FZG (A/8,3/90): Failure load stage		ISO 14635	>12	>12
4 Ball EP, wear load index		ASTM D2783	>50	>50

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