

GEAR, TRANSMISSION & DRIVELINE OILS

Product Description

A high performance heavy-duty gear oil which is formulated from high quality base oils and selected additive.

Typical Characteristics

Characteristics	Test Method	RORED HDA		
SAE Viscosity Grade	-	90	140	75W-90
Density at 15 °C, kg/L	ASTM D4052	0.8997	0.9054	0.8893
Kinematic Viscosity at 40 °C, cSt	ASTM D7279	187.9	412.3	107.5
	at 100 °C, cSt	ASTM D7279	17.03	28.45
Viscosity Index	ASTM D2270	96	96	177
Flash Point, °C	ASTM D92	216	249	198

Typical Characteristics

Characteristics	Test Method	RORED HDA		
SAE Viscosity Grade	-	80W-90	85W-90	85W-140
Density at 15 °C, kg/L	ASTM D4052	0.8934	0.8996	0.9059
Kinematic Viscosity at 40 °C, cSt	ASTM D7279	137.4	181.8	390.0
	at 100 °C, cSt	ASTM D7279	14.55	17.04
Viscosity Index	ASTM D2270	105	100	99
Flash Point, °C	ASTM D92	216	242	242

Specifications / Approvals

- API GL-5
- MB 235.0H
- MIL-L-2105D
- Volvo 97310
- Voith 3.325-339
- ZF TE ML 16B, 16C, 17B, 19B, 21A

Applications

RORED HDA series is recommended for lubrication of heavy-duty gears in axle operating under various combination of high speed/shock load and low speed/high torque condition, which require above performance level.

Health and Safety

Please contact our Industrial Marketing Head Office to get Material Safety Data Sheet as information for Health and Safety Protection

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Disclaimer:

Information presented in this Product Data Sheet is as accurate as possible prior to printing. Such information is based upon standard industry tests under controlled laboratory conditions and presented as a guide only. To assess product suitability for its intended application, it is recommended that users refer to the latest version of the Product Data Sheet because the information contained herein is subject to change, without notice, due to the upgrades in product formulation, manufacturers' equipment specifications, user applications and storage.