MOTUL GEAR 300 75W-90

Racing gearbox and differential lubricant
Synthese-Technologie – Ester

TYPE OF USE

High Performance gear oil specially designed for racing vehicle gearboxes: speed way, rally, raid… etc. and any other high loaded applications.

All mechanical transmissions synchronized or non-synchronized gearboxes, gearbox/differential, transfer boxes or hypoid differentials without limited slip system, and all transmissions systems using gears, bevel gears, stepdown gears, speed reduction boxes, propeller boxes…etc. operating under shocks, heavy loads and low revolution speed or moderate loads and high revolution speed.

PERFORMANCES

STANDARDS   API GL-4 / GL-5

                         MIL-L 2105 D

High Performance Synthese-Technologie – Ester based lubricant reinforced with EP - "Extreme Pressure" additives to protect against wear and for a higher resistance at high temperature and a longer lifetime.

0% shear loss: Unshearable oil film even in extreme conditions.

Stays in viscosity grade 90 after KRL 20 hours shear test as requested by SAE J306 standard for gear oils.

Very high lubricating power which decreases friction and wear.

Viscosity grade 90 at high temperatures to provide outstanding oil film resistance at high temperatures and/or to reduce transmission noise.

Fluid at low temperature to allow easier gear shifting when the gearbox is cold.

Less effort required on the gear lever to shift the gears.

Suitable for any type of seal and yellow material used in gearboxes design.

Anti-corrosion, Anti-foam, Anti-emulsion.

RECOMMENDATIONS

Oil change: According to manufacturers' requirements and adjust according to your own use.

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PROPERTIES

Viscosity grade	SAE J 300	75W-90
Density at 20°C (68°F)	ASTM D1298	0.897
Viscosity at 40°C (104°F)	ASTM D445	86.5 mm²/s
Viscosity at 100°C (212°F)	ASTM D445	14.2 mm²/s
Viscosity Index	ASTM D2270	170.0
Pour point	ASTM D97	-54.0 °C / -65.0 °F
Flash point	ASTM D92	204.0 °C / 399.0 °C

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