# MOTUL GEAR 300 75W-90

**Racing gearbox and differential lubricant**
***ESTER* Core®**

## TYPE OF USE

High Performance gear oil specially designed for racing vehicle gearboxes and transmissions: 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

High Performance Synthetic – ***ESTER*** Core® lubricant reinforced with EP - "Extreme Pressure" additives to protect against wear and for a higher resistance at high temperature and a longer lifetime.
Esters are polar molecules hence are attracted to metallic surfaces. The exclusive Motul ***ESTER*** Core® Technology features optimized polarity for maximal adherence of the oil film to increase transmission protection, reliability and driveability, even in most extreme conditions.
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.



We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.
Product specifications are definitive from the order which is subject to our general conditions of sale and warranty.



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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 °F |



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| STANDARDS | |
|---|---|
| **API** | GL-4, GL-5 |
| **MIL-L** | 2105 D |



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