

Racing lubricant for gearbox and limited slip differential integrated or not in the gearbox
ESTER Core®

TYPE OF USE

Specially designed for gearboxes and transmissions of racing and high performance vehicles: track, speed way, rally, rally raid, electric vehicles transmissions ...

All hypoid differentials with limited slip system, gearboxes with integrated limited slip differentials, mechanical transmissions, synchronised or non-synchronized gearboxes, transfer gearboxes operating under shocks, heavy loads and low revolution speed or moderate loads and high revolution speed, when transmission efficiency has to be improved compare to a viscosity grade 140 lubricant.

Suitable for high performance gearboxes and transmissions in racing and street use conditions.

PERFORMANCES

STANDARDS Above existing standards
API GL-4 / GL-5

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.

Included dedicated friction modifier to increase limited slip differential efficiency, and avoid noisy or dragging limited slip differential.

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

0% shear loss: Unshearable oil film in extreme conditions to meet racing and street use.

Stays in viscosity grade 90 after KRL 20 hours shear test as requested by SAE J306 standard for gear oils thanks to the synthetic ester base with very high Viscosity Index (VI).

Very high lubricating power which decreases friction and wear.

Fluid at low temperatures to allow easier gear shifting in cold conditions and increased transmission efficiency.

Improved transmission performance compared to viscosity grade 140 lubricant.

Less effort required on the gear lever to shift the gears and less transmission drag.

Improves transmission performance with smooth shifting and reliable power delivery.

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.



MOTUL GEAR 300 LS 75W-90

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Suitable for any type of seal and yellow material used in gearboxes and limited slip differentials design.
Anti-corrosion, Anti-foam, anti-emulsion.

RECOMMENDATIONS

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

PROPERTIES

Color	Visual	Green
Viscosity grade	SAE J 306	75W-90
Density at 20°C (68°F)	ASTM D1298	0.859
Viscosity at 40°C (104°F)	ASTM D445	102.2 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	16.3 mm ² /s
Viscosity Index	ASTM D2270	173.0
Pour point	ASTM D97	-45.0 °C / -49.0 °F
Flash point	ASTM D92	218.0 °C / 424.0 °F

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