



GIANT 9540 LL 10W-40

Description

It is a next-generation synthetic lubricant oil of the highest quality. It is especially recommended for supercharged diesel engines of long-haul commercial vehicles (TIR) with extremely long periods of change. The product is specifically designed for low-emission diesel engines that meet EURO V or previous standards, from certain manufacturers that do not include particulate filters. The oil was adopted by Scania for its new generation of EURO VI engines.

Properties

- It can be used when using biodiesel as fuel, in accordance with the manufacturer-recommended change periods.
- The oil is highly resistant to oxidation, consumes little power and has excellent shear strength, ensuring the high oil change interval required by Scania in their LDF specifications.
- It is a multigrade oil with a high range of temperatures and high cold flow, allowing greater fuel economy than oils with other viscosity levels.
- The trials we carry out allow us to ensure close control of engine cleanliness, exceeding the minimum required by international standards, thus preventing the formation of sludge and deposits in the piston and segments.
- The trials conducted in motors with high EGR rates ensure perfect control of the soot that is characteristic of these exhaust after-treatment systems.
- Compared to other oils with similar characteristics, the specific control of sulphur and phosphorus of its formulation ensures compatibility with oxidation catalysts as well as with current SCRs and those from the next generation of EURO VI engines.
- The field trials performed to gain Scania LDF-3 approval ensure engine durability in harsh conditions that can be applied to any climate, or with periods of very high oil change.

Quality levels, approvals and recommendations

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|------------------------------|----------------------|
| • ACEA E4, E7 | • MAN M 3277* |
| • API CF | • MB 228.5 |
| • CUMMINS CES 20072 | • MTU Type 3* |
| • DAF Extended Drain | • RENAULT RLD/RLD-2* |
| • DAIMLER TRUCK DTFR 15B120* | • SCANIA LDF-3* |
| • DEUTZ DQC III-18* | • VOLVO VDS-3* |
| • MACK EO-N* | *Formal approval |



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Technical specifications

	UNIT	METHOD	VALUE
SAE Grade			10W-40
Density at 15 °C	g/cm3	ASTM D4052	0.864
Kinematic viscosity at 40 °C	cSt	ASTM D445	86
Kinematic viscosity at 100 °C	cSt	ASTM D445	13.4
Viscosity index	-	ASTM D2270	>150
CCS Viscosity at -25 °C	cP	ASTM D5293	<7,000
HTHS, viscosity at 150 °C	cP	ASTM D5481	>2,6
Flash point, open cup	°C	ASTM D92	>215
Noack volatility, 1h at 250 °C	% in weight	CEC L-40-93	<15
Pour point	°C	ASTM D97	-36
Shearing Inj.Bosch: Vis 100 °C (30 cy)	cSt	CEC L-14-93	>12.5
Sulphated ashes	% in weight	ASTM D874	1.9
TBN	mg KOH/g	ASTM D2896	16.0

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