



Product Data

RLX Super 40

Monograde diesel engine lubricant

Description

RLX Super 40 is a zinc and chlorine free engine crankcase lubricant specifically designed for the lubrication of diesel propulsion, diesel electric and stationary power generation installations, where a zinc free lubricant is specified.

Application

RLX Super 40 is formulated to meet the requirements of engines manufactured by General Motors Electromotive Division (GM-EMD), General Electric (GE) and ALCO. This grade is suitable for all engines fitted with silver bearings; particularly those used in Marine and Offshore power generation sets.

Advantages

RLX Super 40 is developed with an optimum balance of detergency and dispersancy to reduce ring sticking and engine deposits, resulting in cleaner engines and thus maximising operating performance. Cleaner engines help maximise operating performance, extend oil drain intervals and reduces engine downtime.

The selected additive system provides excellent protection against wear and acid corrosion resulting in increased engine component life. High viscosity index base oil allows control of oil consumption and maintains excellent oil film between bearings at high operating temperatures.

RLX Super 40 is fully compatible with other 6th Generation (LMOA) lubricants.

Product Performance Claims

- Conforms to requirements of `Generation 6` for GM-EMD and `Generation 4LL` for GE.
- Meets the oil recommendations for Caterpillar 3600 series engines. Suitable for all ALCO engines.
- Exceeds detergency requirements of API CF and CF-2.

Typical Characteristics

Name	Method	Units	RLX Super 40
SAE Grade			40
Density @ 15°C, Relative	ASTM D4052	g/ml	0.890
Viscosity, Kinematic @ 100°C	ASTM D445	mm²/s	14.5
Total Base Number, TBN	ASTM D2896	mg KOH/g	9
Viscosity Index	ASTM D2270	-	100
Closed Flash Point	ASTM D92	°C	>200
Pour Point	ASTM D97	°C	-15
Zinc Content		ppm	<10
Chlorine Content	XRF	ppm	<10
Sulphated Ash		% w t	1.5

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

Care and Handling

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

RLX Super 40

16 Jan 2025

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Marine, Technology Centre, Whitchurch Hill, Pangbourne, Reading RG8 7QR, United Kingdom

www.castrol.com/marine