



Energol DS 3

Trunk piston diesel engine lubricant

Description

Energol DS3 153 and 154 are high performance 15 BN lubricants designed for use in modern highly-rated medium speed marine engines.

Application

Energol DS3 is recommended for the lubrication of highly-rated marine trunk piston engines operating with ISO 8217 type DMA/DMZ/DMB/RMA10 fuels where there is a requirement for API CF performance. Energol DS3 is available in SAE 30 and SAE 40 viscosity grades to suit a range of operating conditions and requirements.

Energol DS3 is also suitable for use as a lubricant for most marine engine reduction gears and other general lubrication requirements.

Approval

Energol DS3 is fully approved by major marine engine manufacturers worldwide and exceeds the requirements of API CF.

Main Performance Features

- High level of detergency and dispersancy to maintain high levels of engine cleanliness whilst ensuring minimum piston deposits.
- High thermal and oxidative stability to prolong service life.
- Carefully formulated to neutralise the acidic properties of combustion with minimal additive depletion.
- Inhibits rust formation.
- Good water separability properties.

Typical Characteristics

Name	Method	Units	DS3 153	DS3 154
SAE Number			30	40
Viscosity, Kinematic 100°C	ASTM D445	mm ² /s	11.5	13.5
Total Base Number, TBN	ASTM D2896	mg KOH/g	15.0	15.0
Density @ 15°C, Relative	ASTM D1298	g/ml	0.890	0.895
Flash Point, PMCC	ASTM D93	°C	>200	>200
Pour Point	ASTM D5985	°C	-12	-12

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

Packaging and Storage

Supplied in bulk and drums of approximately 210 litres. Ensure drums are tightly re-sealed after use.

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.

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