

Energol DS3

Trunk Piston Diesel Engine Lubricant

Description

Energol DS3 153 and 154 are high performance, detergent alkaline oils.

Application

Energol DS3 is recommended for the lubrication of highly rated marine trunk piston engines operating with ISO 8217 type DMA/DMB/DMC fuels where there is a requirement for API CF diesel detergency.

It is also suitable for the lubrication of most marine engine reduction gears and general lubrication.

Main Performance Features

- Detergency/dispersancy for high level of engine cleanliness and minimum piston deposits.
- High thermal and oxidation stability to prolong service life.
- Rust inhibited.
- Alkalinity to neutralise the acidic products of combustion.
- Good water-separation and minimal additive depletion.

Approvals

Energol DS3 is fully approved by major engine manufacturers world-wide and exceeds the diesel detergency performance requirements of API-CF.

Care and Handling

It is recommended that Energol DS3 is continuously filtered in accordance with manufacturers' instructions. Additionally it is important that engine manufacturers' oil change intervals are observed. Where specifically recommended, DS3 can be centrifuged, but on no account should the oil be water washed.

Packaging and Storage

Supplied in bulk and drums of approximately 210 litres.

Where outdoor storage is unavoidable, drums should be covered.

The drums should be stored in such a way as to ensure they are not damaged and grade markings are not obliterated. They should be positioned horizontally so as to prevent water collecting on drum ends.

Ensure drums are tightly re-sealed after use.

Typical Characteristics

	Unit	Test Method	DS3-153	DS3-154
SAE Number			30	40
Kinematic Viscosity @ 100°C	mm ² s ⁻¹	ASTM D445	11.5	13.5
Base Number (BN)	mgKOH/g	ASTM D2896	15	15
Density @ 15°C	kg/m ³	ASTM D4052	890	895
Flash Point (PMC)	°C	ASTM D93	>200	>200
Pour Point	°C	ASTM D97	-12	-12

The above figures are typical of those obtained with normal production tolerances, and do not constitute a specification. Note 1 mm² s⁻¹ = 1 cSt.

General Advice

Further information on all BP Marine lubricants is available from any BP Marine office or from:

BP Marine www.bpmarine.com

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