

Shell Marine 40

High Speed Diesel Engine Oils

Shell Marine Oils are premium quality high performance engine lubricants designed to meet the demanding requirements of a very wide range of high speed marine diesel engines operating under all conditions.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

Outstanding Piston Cleanliness

Free-running piston rings, even under difficult operational conditions, ensuring maximum reliability.

Exceptional Engine Cleanliness

Ability to retain high levels of soot safely in suspension, even with extended drain intervals.

Excellent Oxidation Resistance

Unusually good thermal stability and oxidation resistance built in. The lubricant is therefore especially suited for marine diesel engines operating at high piston temperatures, including both naturally aspirated and turbocharged engines.

• Good Anti-Wear Properties

Maintains a protective oil film between pistons and their rings and cylinder walls, under high operating temperatures and pressures.

Main Applications

High-speed diesel engines operating on distillate fuels.

Specifications, Approvals & Recommendations

• API CF, CD

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Marine 40
SAE Viscosity Grade				40
Kinematic Viscosity	@40°C	mm²/s	ASTM D445	140
Kinematic Viscosity	@100°C	mm²/s	ASTM D445	14.5
Viscosity Index			ASTM D2270	107
Density	@15ºC	kg/m ³	ASTM D4052	897
Flash Point (PMCC)		٥C	ASTM D93	250
TBN-E		mg KOH/g	ASTM D2896	10.1

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

Health and Safety

Shell Marine 40 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from http://www.epc.shell.com/

Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

Advice

Advice on applications not covered here may be obtained from your Shell representative.