



Shell Marine

# SHELL SUPER MARINE ENGINE OILS.

FORWARD TOGETHER

# SHELL SUPER MARINE ENGINE OILS.

## BOOSTING EFFICIENCY. ENHANCING RELIABILITY.

Today's shipping industry faces more pressure than ever to reduce operational costs, while sourcing high quality fuels and lubricants that meet the demands of advanced marine engines.

Engine lubrication plays a key role in promoting efficient and reliable marine operations, helping to cut maintenance costs and keep your vessels in service.

Shell Super Marine is a range of marine diesel engine oils formulated specifically for general high-speed marine engines.

### Protecting your engines for the long term

Shell Super Marine is designed for high-speed engine applications in vessels including ro-ro ferries, offshore vessels, dredgers, tugboats and fishing boats. Shell Super Marine engine oils are formulated to keep engines protected, clean and reliable.

### Marine expertise

At Shell Marine, we're here to make your voyages more efficient, predictable and cleaner. We have over 100 years of experience and know exactly how to help protect your fleet and ensure your vessel operates smoothly and reliably with the highest safety standards and quality products.



### SHELL SUPER MARINE

Shell Super Marine's multifunctional additive technology offers greater protection against corrosion; helps to reduce wear; controls sludge and deposits; and provides resistance to heat so that engines can run for longer and reliably.



**Protects against corrosion when engines are operating at higher temperatures**



**Additive technology helps to control piston deposits to ensure that engine cleanliness**



**Wear protection for longer engine life for turbo-charged engines**

# SHELL SUPER MARINE S3 15W-40



Super Marine S3 15W-40 is a high-speed diesel engine oil designed to keep your marine engines running efficiently and reliably, to meet demanding engine requirements while operating under various conditions.

Protecting against corrosion, piston deposits and heat resistance on both naturally aspirated and turbo-charged marine diesel engines.

Super Marine S3 15W-40 helps to maintain good standards of engine cleanliness for improved engine and oil durability throughout the oil-drain interval. Its dispersant additive technology helps to control engine from sludge and piston deposits to ensure reliability and prolonged engine life.

Suitable for marine diesel engines burning distillate fuels with a sulphur content of up to 0.5%.

**Specifications, Approvals & Recommendations**

- API CH-4, CG-4, CF-4, CF
- ACEA E2
- Caterpillar ECF-1-A
- Cummins CES 20076, 20071

For a full list of equipment approvals and recommendations, please contact your Shell Technical Helpdesk' to be consistent with the rest of the brochures.

## Suitable for

High-speed propulsion engines in offshore platforms, dredgers, tugboats and fishing boats.

## Key benefits



Enhanced protection against corrosion and thermal resistance for marine engine diesel engines operating at high piston temperature



Promotes good engine cleanliness from sludge and piston deposits control for better engine reliability and efficiency



Protection against wear for prolonged engine life

## Typical Physical Characteristics

PROPERTIES			METHOD	SHELL SUPER MARINE S3 15W-40
SAE Viscosity Grade				15W-40
Kinematic Viscosity	@40°C	mm²/s	ASTM D445	105.1
Kinematic Viscosity	@100°C	mm²/s	ASTM D445	14.3
Dynamic Viscosity	@-20°C	mPa s	ASTM D5293	6 600
Viscosity Index			ASTM D2270	139
Density	@15°C	kg/l	ASTM D4052	0.886
Flash Point (COC)		°C	ASTM D92	230
Pour Point		°C	ASTM D97	-36

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

A vertical photograph on the right side of the page showing a close-up of a ship's hull. The hull is dark, weathered metal with visible rivets and a rope running diagonally across the upper right. A small, oval-shaped porthole is visible in the center-right of the image.

## **FIND OUT MORE ABOUT SHELL SUPER MARINE**

To discover more on Shell Super Marine, talk to your Shell representative.

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

Discover more at **[www.shell.com/marine](http://www.shell.com/marine)**  
**[www.rkpl.com.bd](http://www.rkpl.com.bd)**

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