



Shell Marine

SHELL SIRIUS ENGINE OILS.

FORWARD TOGETHER

SHELL SIRIUS ENGINE OILS.

HIGH-SPEED. HIGH-PERFORMANCE

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.

Shell Sirius is a high-performing range of premium high-speed diesel engine oils. Specially engineered in a marine-formulated grade, Shell Sirius oils deliver outstanding performance for modern marine propulsion engines.

Improving efficiency. Extending engine life.

Shell Sirius oils can help keep your engines cleaner and protected for longer. With a formulation optimised to improve the performance, efficiency and life of your engines, even in extreme temperature conditions, Shell Sirius oils can help lower your maintenance and fuel costs and increase your fleet reliability. Shell Sirius oils are approved by a wide array of leading engine manufacturers.

Marine expertise

At Shell Marine, we're here to make your voyages more efficient, predictable and cleaner. With over 100 years of experience of helping customers get the best out of their fleets, we understand how to help your fleet operate smoothly and reliably with the highest safety standards and quality products.



SHELL SIRIUS

Shell Sirius oils are specifically designed for high-speed engines used from shipping vessels, cruise liners, ferries, offshore vessels, patrol boats, tugboats, fishing boats.



Greater protection

Providing enhanced resistance to thermal breakdown, Shell Sirius engine oils offer continuous protection throughout the oil-drain interval, even under the most severe conditions.



Longer engine life

The additive formulation of Shell Sirius engine oils helps to fight the combined effects of combustion acids and increased heat for longer engine life.



Additive technology

All Shell Sirius engine oils are formulated with Shell's additive technology, enabling enhanced acid control, deposit control and wear control.

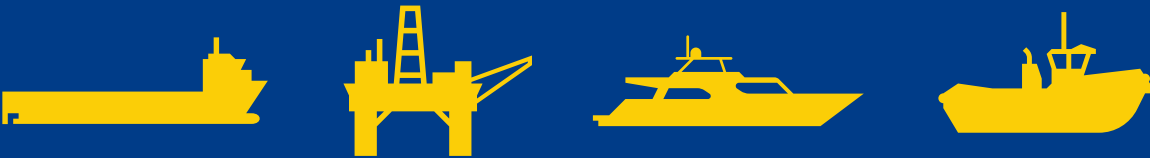


THE SIRIUS RANGE

High performance. Outstanding protection.

SHELL SIRIUS

S4 15W-40



This high-performance premium engine oil is designed to meet the demands of a wide variety of high- speed marine diesel engines operating under a range of conditions.

Providing outstanding protection against engine corrosion and wear, it improves engine cleanliness and oil durability and is suitable for marine diesel engines burning distillate fuels with a sulphur content of up to 0.5%.

Specifications, Approvals & Recommendations

- ACEA E7, E5, E3
- API CI-4, CH-4, SL
- Caterpillar ECF-1A, ECF-2
- Cummins CES 20078, 20077, 20076, 20075, 20072, 20071
- Global DHD-1
- JASO DH-1
- MTU Category 2

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

Suitable for

Offshore vessels and platforms, patrol boats and tug boats

Key benefits



Superior acid and corrosion control to help keep engines clean and protected



Exceptional deposit control to improve engine reliability



Outstanding wear protection to help prolong engine life and efficiency

Typical Physical Characteristics

PROPERTIES			METHOD	SHELL SIRIUS 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/m³	ASTM D4052	886
Flash Point PMCC		°C	ASTM D93	205
Pour Point		°C	ASTM D97	-39
TBN		mg KOH/g	ASTM D2896	10.8
Sulphated Ash		%	ASTM D874	1.44

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

CHOOSE SHELL MARINE WITH CONFIDENCE

As a marine specialist, Shell is a brand you can trust. We have over 100 years of experience in the marine industry, a global supply chain of more than 30 lubricant oil blending plants and a network of over 700 ports across 62 markets.

We're committed to supporting you and your fleet with expert advice and quality marine lubricants and fuels, all delivered to high environmental and safety standards.

FIND OUT MORE ABOUT SHELL SIRIUS

To discover the engine and performance benefits of Shell Sirius, speak to your Shell representative.

+880 1787 672 193
+880 1709 652 833

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

Discover more at **www.shell.com/marine**
www.rkpl.com.bd

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