



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.

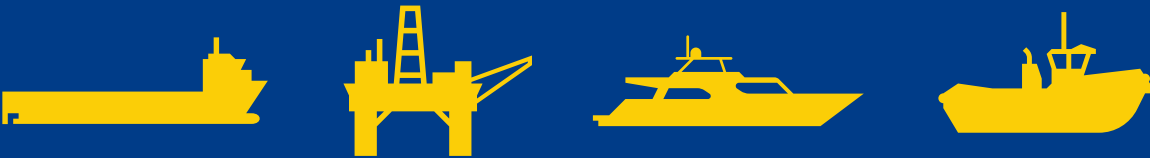


THE SIRIUS RANGE

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.

THE SIRIUS RANGE

High performance. Outstanding protection.

SHELL SIRIUS

S4 20W-50



Sirius S4 20W-50 is a high-performing premium engine oil that is specially formulated to meet the challenges faced by a range of high-speed marine diesel engines under a variety of conditions.

Designed for marine engines that requires higher viscosity, Sirius S4 20W-50 offers superior protection against engine corrosion and wear, helping to improve engine and oil durability, thus driving efficiency.

Specifications, Approvals & Recommendations

- API CI-4, CH-4
- ACEA E7
- JASO DH-1

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

Suitable for

Offshore platforms, yachts, fishing boats and high-speed boats

Key benefits



Superior engine corrosion and wear 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 S4 20W-50
SAE Viscosity Grade				20W-50
Kinematic Viscosity	@40°C	mm²/s	ASTM D445	169.1
Kinematic Viscosity	@100°C	mm²/s	ASTM D445	18.5
Dynamic Viscosity	@-15°C	mPa s	ASTM D5293	8 250
Viscosity Index			ASTM D2270	123
Total Base Number		mgKOH/g	ASTM D2896	10.5
Sulphated Ash		%	ASTM D874	1.45
Density	@15°C	kg/l	ASTM D4052	0.886
Flash Point (COC)		°C	ASTM D92	238
Pour Point		°C	ASTM D97	-33

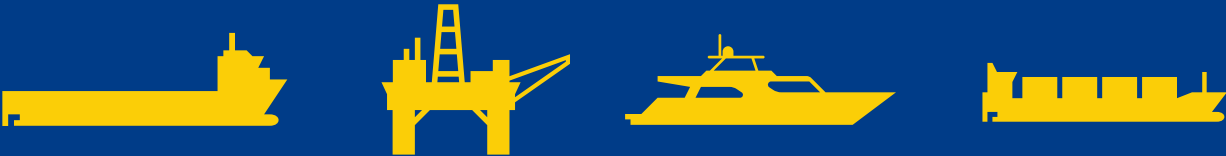
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THE SIRIUS RANGE

High performance. Outstanding protection.

SHELL SIRIUS

S4 L 15W-40



Shell Sirius S4L 15W-40 is a high-performance premium engine oil formulated specially to meet the demanding requirements of a wide range of modern engines operating under various conditions.

Designed to offer superior protection against engine corrosion and wear, it helps to keep engine clean thus allowing them to run for longer hours with greater efficiency.

Its Low-SAPS additive technology helps to protect low emission marine diesel engine fitted with exhaust diesel particulate (DPF) with maximum sulphated ash content of 1.0%.

Specifications, Approvals & Recommendations

- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, SN
- ACEA E9, E7
- Caterpillar ECF-3, ECF-2
- Cummins CES 20086, 20081
- MTU Category 2.1
- JASO DH-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 shipping vessels

Key benefits



Compatible with low emissions engine



Outstanding wear protection to help prolong engine life and efficiency



Outstanding engine cleanliness to ensure engine reliability

Typical Physical Characteristics

PROPERTIES			METHOD	SHELL SIRIUS S4 L 15W-40
SAE Viscosity Grade				15W-40
Kinematic Viscosity	@40°C	mm²/s	ASTM D445	115
Kinematic Viscosity	@100°C	mm²/s	ASTM D445	15.3
Viscosity Index			ASTM D2270	139
Density	@15°C	kg/l	ASTM D4052	0.876
Sulphated Ash		% maximum	ASTM D874	1.0
Total Base Number		mg KOH/g	ASTM D2896	10
Flash Point (COC)		°C	ASTM D92	236
Pour Point		°C	ASTM D97	-35

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THE SIRIUS RANGE

High performance. Outstanding protection.

SHELL SIRIUS

S6 LM 10W-40



Fully Synthetic High-Performance High-Speed Diesel Engine Oil

Sirius S6 LM 10W-40 is a fully synthetic high-performing premium high-speed diesel engine oil specially formulated to meet the needs of a high-speed diesel engine operating under a variety of conditions.

Designed to offer outstanding protection against engine corrosion and wear, Sirius S6 LM 10W-40 helps to keep engines clean and running efficiently and smoothly for longer hours . Its ‘Low SAPS’ additive technology also helps to protect low emission marine diesel engines fitted with exhaust diesel particulate filters (DPF) with sulphated ash content less than 1.0%.

Sirius S6 LM 10W-40 is approved by leading marine engine manufacturers such as MTU and Caterpillar.

Specifications, Approvals & Recommendations

- ACEA E6, E9, E7
- API CK-4, CJ-4
- Caterpillar ECF-3, ECF-2
- Cummins CES 20086, 20081
- JASO DH-2
- MTU Category 3.1

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

Suitable for

Cruise liners, yachts, high-speed engines and ferries

Key benefits

- 

Meets oil drain requirements, helping save on maintenance costs
- 

Emissions system compatibility
- 

Outstanding engine cleanliness with its unique detergent and dispersant additives technology
- 

Superior wear protection to help prolong engine life and efficiency
- 

Approved by leading engine manufacturers



Typical Physical Characteristics

PROPERTIES			METHOD	SHELL SIRIUS S6 LM 10W-40
SAE Viscosity Grade				10W-40
Kinematic Viscosity	@40°C	mm²/s	ASTM D445	96.8
Kinematic Viscosity	@100°C	mm²/s	ASTM D445	14.5
Dynamic Viscosity	@-25°C	mPa s	ASTM D5293	6 080
Sulphated Ash		%	ASTM D874	0.95
Density	@15°C	kg/m³	ASTM D4052	849
Flash Point (COC)		°C	ASTM D92	250
Pour Point		°C	ASTM D97	-36
Total Base Number		mg KOH/g	ASTM D2896	12.9

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.

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

Discover more at www.shell.com/marine

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