

Shell Melina S

Multifunctional Lubricant for low speed marine diesel engines

Shell Melina S is a high performance multifunctional low speed diesel engine lubricant based on a blend of highly refined high viscosity index mineral oils and a balanced selection of additives. It is designed to provide the highest levels of machinery protection in highly rated low speed marine engines, but being multifunctional, can also be used in many different items of marine equipment and used to rationalise the number of grades of lubricant carried on board ship.

Please note that Shell Melina S is NOT recommended for trunk-piston engines and in these cases Shell Melina should be used.

Main Applications

- Low speed marine diesel engine crankcase and piston cooling systems
 - Turbochargers, geared transmissions, oil lubricated stern tubes & deck machinery
 - All ancillary equipment requiring an SAE 30 oil
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Benefits of using Shell Melina S

Improved engine operation and reliability

- Shell Melina S effectively neutralises the highly corrosive combustion acids which can contaminate the main system when cylinder oil drains leak past piston rod glands
- Good resistance to corrosion results in protection of metal surfaces from corrosion
- Good detergency keeps crankcases and under piston spaces clean and optimise efficiency
- Good air release & antifoam properties mean that air is released from the oil without foaming

Lower Maintenance Costs

- Good Oxidation stability combats thermal degradation of the oil and extends its useful life
- Good water shedding properties mean that water can be easily removed by centrifuge
- Extreme pressure properties make the oil suitable many gear oil applications

Re-assurance

- Shell Melina S Oil is approved by all major low speed diesel engine manufacturers.

Typical Physical Characteristics

Shell Melina S		Test	Result	Units
SAE Viscosity Grade			30	
Kinematic Viscosity	40 C	IP 71	104	mm ² /s
	100 C	IP 71	11.6	mm ² /s
Viscosity Index		IP 226	102	
Density	15 C	IP 365	0.888	kg/l
Flash Point	Closed Cup	IP 34	227	C
Load Carrying Capacity	FZG		11	Fail Stage
Pour Point		IP15	-18	C
TBN-E		IP 276	5	mg/KOH/g
Sulphated Ash		IP 163	0.62	% wt

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

Condition Monitoring

Shell RLA and Shell RLA OPICA engine condition monitoring services are ideal for users of Shell Melina S. Use of these services enable the ship operator to monitor the condition of the oil and equipment, and enable remedial action to be taken when necessary. This helps to avoid, breakdowns, costly downtime and all the associated inconvenience. To fully benefit from this service, samples should be taken at regular intervals of approximately 750 hours.

Health & Safety

Shell Melina S is unlikely to present any significant health or safety hazard when properly used in the recommended application. Avoid contact with the skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water. For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

More Information

For more information about Shell Marine Fuels, Lubricants or Services, please contact any Shell Marine Products office or visit our web site <http://www.shell-marine.com>