

Shell MELINA® S 30

Multifunctional Lubricant for low speed marine diesel engines

Shell MELINA® S 30 is a high performance multifunctional low speed diesel engine lubricant based on a blend of high refined high viscosity index mineral oils and a balanced selection of additives. It is designed to provide the highest levels of machinery protection in high rated low speed marine engines, but being multifunctional, can also be used in many different items of marine equipment and used to rationalize the number of grades of lubricant carried on board ship.

Performance Features and Benefits

Improved engine operation and reliability

- Shell MELINA® S 30 effectively neutralizes 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.
- Good detergency keeps crankcases and under piston spaces clean and optimizes efficiency.
- Good air release and 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 for many gear oil applications.

Re-assurance

- Shell MELINA® S 30 is approved by all major low speed diesel engine manufacturers.

Main Applications

- Low speed marine diesel engine crankcase and piston cooling systems.
- Turbochargers, geared transmissions, oil lubricated stern tubes and deck machinery.

- All ancillary equipment requiring an SAE 30 oil.

Note: Shell MELINA® S 30 is NOT recommended for trunk-piston engines and in these cases Shell MELINA® should be used.

Advice on applications not covered in this handbook may be obtained from your Shell representative.

Specifications, Approvals, and Recommendations

Shell MELINA® S 30 is approved by all major low speed diesel engine manufacturers.

Handling and Safety Information

For information on the safe handling, storage, or use of this product, refer to its Material Safety Data Sheet at <http://www.epc.shell.com/>. If you are a Shell Distributor, please call 1+800-332-6457 for all of your service needs. All other customers please call 1+800-237-8645 for all of your service needs.

Protect the Environment

Do not discharge into drains, soil, or water.

Typical Physical Characteristics

Shell MELINA® S 30			30
Kinematic Viscosity	@ 40 °C	cSt	104
	@ 100 °C	cSt	11.6
Viscosity Index			102
Density	@ 15°C	kg/L	0.888
Flash Point (PMCC)			°C 227
Load Carrying Capacity (FZG)		Fail Stage	11
Pour Point			°C -18
TBN-E		mg KOH/g	5
Sulfated Ash		% wt	0.62

These characteristics are typical of current production. While future production will conform to Shell specifications, variation in these characteristics may occur.