



Shell Melina 30

Multifunctional Lubricant for low speed marine diesel engines

Shell Melina are premium quality multipurpose engine oils designed primarily for low speed, crosshead, marine diesel engines that normally operate on residual fuels, however they are also suitable for use in a wide variety of other engine and shipboard applications.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

• Improved engine operation and reliability

Shell Melina effectively neutralises the highly corrosive combustion acids which can contaminate the main system when cylinder oil drains leak past piston rod glands.

Good water shedding properties enables water to be easily centrifuged out of the oil

Good thermal & oxidation stability gives the oil a high resistance to oil thickening which results in minimal deposits

• Lower Maintenance Costs

Excellent dispersancy keeps sump tanks free from sludge and allows contaminants to be easily removed by filtration or centrifugal separation

Multifunctional properties allow the number of different lubricants used to be reduced

• Re-assurance

Shell Melina is approved by all major low speed diesel engine manufacturers including Sulzer and MAN / B&W

Main Applications

- Crankcase systems of low speed crosshead marine diesel engines operating on residual fuel
- Main and auxiliary trunk piston diesel engines burning distillate fuel
- Turbochargers, geared transmissions, oil lubricated stern tubes, variable pitch propellers
- Deck machinery and marine ancillary equipment requiring an SAE 30 oil

Specifications, Approvals & Recommendations

- API - CD
- US Military - MIL-L-2104C

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

Typical Physical Characteristics

Properties			Method	Shell Melina Oil 30
SAE Viscosity Grade				30
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	104
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	11.8
Viscosity Index			ASTM D2270	102
Density	@15°C	kg/l	ASTM D4052	0.897
Flash Point (CC)			ASTM D93	227
Load Carrying Capacity	FZG	Fail Stage	IP 334 A/8.3/90	12
Pour Point			ASTM D97	-18
TBN-E			ASTM D2896	8
Sulphated Ash			ASTM D874	1

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

Health, Safety & Environment

- **Health and Safety**

Shell Melina Oil 30 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.epc.shell.com/>

- **Protect the Environment**

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

- **Advice**

Advice on applications not covered here may be obtained from your Shell representative.

- **Condition Monitoring**

Shell RLA and Shell RLA OPICA engine condition monitoring services are ideal for users of Shell Melina. 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.