Shell Melina

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

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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

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Benefits of using Shell Melina

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

Performance Specifications

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

Typical Physical Characteristics

Shell Melina		Test	Result	Units
SAE Viscosity Grade			30	
Kinematic Viscosity	40 C	IP 71	104	mm2/s
	100 C	IP 71	11.8	mm2/s
Viscosity Index		IP 226	102	
Density	15 C	IP 365	0.897	kg/l
Flash Point	Closed Cup	IP 34	227	C
Load Carrying Capacity	FZG		12	Fail Stage
Pour Point		IP15	-18	C
TBN-E		IP 276	8	mg/KOH/g
Sulphated Ash		IP 163	1	% 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. 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 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 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