



SHELL MELINA[®] S Oil

Multi-purpose marine diesel engine oil

Product Description

Shell Melina S Oil is a premium performance 5 TBN lubricant based on a blend of highly refined high viscosity index mineral oils and a carefully balanced additive system.

It is one of a family of low speed diesel engine lubricants designed to provide the highest levels of machinery protection in today's highly rated marine engines.

Applications

- Marine low-speed diesel engine crankcase and piston cooling systems
- Turbochargers
- Geared transmissions
- Oil-lubricated stern-tubes
- Deck machinery
- Other ancillary equipment requiring an SAE 30 oil

NOTE: **Shell Melina S Oil** is not recommended for trunk-piston engines. Where a multi-purpose oil suitable for such engines is needed, consult your Shell representative.

Purification

Normal purification equipment and practices for crankcase lubricants should be used to ensure that **Shell Melina S Oil** does not become over burdened with contaminants and water. Water washing when centrifuging is unnecessary as a normal practice because the formulation gives adequate protection against contaminants.

Features/Benefits

- good alkalinity - neutralises the strong, highly corrosive, acids contained in the products of combustion which contaminate the system
- excellent resistance to corrosion - provides effective protection of all metal surfaces from corrosion
- oxidation stability - combats thermal degradation, particularly where the oil is used for piston cooling
- excellent detergency - keeps crankcase and under piston spaces clean
- good water shedding properties - easy removal of contaminating water by centrifuge
- resistant to microbiological degradation – provides for long life oil
- air release and antifoam properties - carefully selected additives ensures quick air release reducing foaming
- extreme pressure properties - to suit many gear oil applications

Approvals and Recommendations

- major low speed diesel engine manufacturers

Typical Properties of Shell Melina S Oil

	Test Method	SAE Grade
		30
Product Code		63665
Property		
Gravity, °API	D 1298	27.7
Viscosity:		
@ 40°C, cSt	D 445	104
@ 100°C, cSt	D 445	11.9
Viscosity Index	D 2270	99
Flash Point, COC, °C, (°F)	D 92	225 (440)
Pour Point, °C (°F)	D 97	-33 (-30)
Shell Centrifuge Test*		0.03
Water content % vol.		0.55
Fall in TBN-E mg KOH/g		
TBN-E, mg KOH/g	D 2896	5.0
Rust test, Salt water	D 665B	Pass
Gear rig test, FZG Fail stage	DIN 51354	11
Foaming test, foam after 10 mins. blowing ml	D 892	0
foam after 5 mins. blowing ml		0

*Oil is circulated through an Alfa-Laval centrifuge at 85°C. Water at 95°C is injected to maintain a level of 5% vol. for 25 passes (2 hours). The water is then switched off; a further 10 dry passes complete the test.

HANDLING & SAFETY INFORMATION

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.equivashellmsds.com>. For more information and availability, call **1+800-782-7852** or visit the World Wide Web: <http://www.shell-lubricants.com/>.