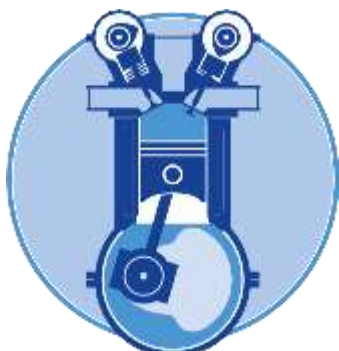




OCEANLUBE MARINE

٤٠٣٠

(SAE ٤٠-BN ٣٠-API CF)



Trunk piston oil for medium speed engines.

APPLICATIONS

Designed for use in highly rated, medium speed diesel engines used for both marine and stationary power generation.

Engines using residual heavy fuel oil with low sulfur content. It is also suitable for dual fuel ٤-stroke engines.

The product can also be used to lubricate bearings, stern tubes and reduction gears.

FEATURES AND BENEFITS

The **OCEANLUBE MARINE ٤٠٣٠** range of trunk piston engine oils are developed for use in medium speed diesel engines utilising IMO ٢٠٢٠ compliant and residual fuels.

OCEANLUBE MARINE ٤٠٣٠ combines an exclusive formulation of the latest additive technologies, developed by the Total research center.

The product utilizes and highly refined base oils to provide a substantial safety margin able to cope with higher stress levels.

SPECIFICATIONS AND APPROVALS

✓	MAN ES (MAN B&W)	✓	Wärtsilä
✓	YANMAR	✓	Daihatsu
✓	Rolls-Royce	✓	MAK (Caterpillar)

TECHNICAL DATA : OCEANLUBE MARINE ٤٠٣٠

CHARACTERISTICS	METHODS	UNITS	TYPICAL VALUES*
S.A.E. Grade	—	—	٤٠
Density at ١٥°C	ISO ٣٦٧٥	kg/m ³	٩١٠
Kinematic viscosity at ٤٠°C	ISO ٣١٠٤	mm ² /s	١٤٠
Kinematic viscosity at ١٠٠°C	ISO ٣١٠٤	mm ² /s	١٤
Flash Point (COC)	ASTM D ٩٢	°C	> = ٢٤٠
Pour Point	ISO ٣٠١٦	°C	- ١٥
BN	ASTM D ٢٨٩٦	—	٣٠

Lubmarine

CUSTOMER BENEFITS

✓	The OCEANLUBE MARINE 4030 range exceeds the CF specification defined by the American Petroleum Institute (API).
✓	The ability to reduce heavy deposit build-up in an engine creates savings via a reduction in maintenance costs.
✓	The product offers excellent resistance to the negative effects of residual fuel contamination, along with excellent thermal resistance and oxidation resistance.
✓	The stable viscosity of OCEANLUBE MARINE 4030 range means that in service fewer top-ups are needed.
✓	The product is also very water resistant, with outstanding demulsibility capacity, enabling rapid removal of water after an ingress and the maintenance of good engine performance.

GENERAL RECOMMENDATIONS

COMPATIBILITY

Compatible with **generally available trunk piston lubricants**.

Please consult your Total Marine Lubrication Engineer should you have any questions.

SHELF LIFE

5 years from date of manufacture.

STORAGE

This product should be stored under cover in clean, dry conditions and protected from frost.

Recommended storage temperature range is 0°C to 30°C.

Drums that are stored on deck should be raised on pallets and covered to protect from the elements.

Always check regularly for leakage.

COMPLIMENTARY PRODUCTS AND SERVICES

✓	WT Supra — Innovative and environmentally friendly cooling system inhibitor concentrate.
✓	DiagomarPlus — Laboratory based used oil analysis program.
✓	Tech'Care — Suite of onboard testing kits.
✓	Technical Expertise & Support — Total Lubmarine engineers are on hand at worldwide locations to assist with lubrication concerns.
✓	Lube-On-Ship — Visualize your lube oils needs aboard Total Lubmarine's innovative virtual vessel.

DRUM 210L



Manufactured In IRAN under license from Oceanlube Petroleum Brands In GERMANY.