

RINNOL MARINE TI 3030 AND TI 4030

PRODUCT DESCRIPTION AND USE

RINNOL MARINE TI 3030 AND TI 4030 — is a new line of 4-stroke engine lubricants designed for use in both marine medium-speed and stationary residual fuel engines. RINNOL MARINE TI 3030 AND TI 4030 combine an exclusive and innovative formulation of the best and latest additive technologies with highly refined bases to provide the final oil with a significant margin of performance, given the high levels of stress to the lubricant in the latest generation of engines and even in future diesel engine developments.

USE

- Medium-speed diesel engines used both for ship propulsion and in power generation engines, turbocharged main and auxiliary engines of all types and all power ratings, running on intermediate fuels or heavy fuels with high sulphur content
- Work particularly well in engines with extremely low specific lubricant consumption using poor quality fuel oils
- Bearings and stern bearings
- Gearbox lubrication

FEATURES AND BENEFITS

- Exceeds API CF quality level
- Provides complete cleanliness of hot and cold areas of the engine due to the excellent detergent dispersing properties of the oil
- Excellent resistance to the negative effects of fuel oil contamination
- Excellent resistance to water contamination, with demulsifying ability to protect the engine and quickly release water
- High wear protection and excellent protection of the lubricating system under high pressure
- Excellent filterability
- Excellent Base Number

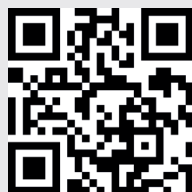
QUALITY LEVELS (COMPLIANCE)

RINNOL MARINE series oils meet the requirements and recommendations of various diesel engine manufacturers. These oils have proven themselves on thousands of engines of various types in all operating conditions. Recommended for use on engines such as: WÄRTSILÄ, MAN diesel, Caterpillar, Caterpillar MaK, YANMAR, Daihatsu, HIMSEN, SKL Motor, Rolls Royce.

TYPICAL PROPERTIES

CHARACTERISTICS	UNIT	RINNOL MARINE	
		3030	4030
SAE Class		30	40
Density, 15°C	kg/m ³	908	910
K. Viscosity, 40°C	mm ² /s	110	140
K. Viscosity, 100°C	mm ² /s	12,0	14,0
Flash Point (open crucible) ASTM D 92	°C	>230	>230
Pour Point	°C	-12	-12
Base Number (TBN) ASTM D 2896	mgKOH/g	30	30

* The above values may slightly vary depending on the production



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HEALTH, SAFETY AND ENVIRONMENTAL RECOMMENDATIONS

Should not make contact with the skin, should not be swallowed and vapors should not be inhaled. In case of contact with the skin or eyes, wash with plenty of water and seek medical attention if necessary. When swallowed, victim should not be vomiting and immediate medical attention should be sought. When the vapors are inhaled, breathe heavily in fresh air and, if necessary, seek medical attention. Used oils should not be disposed to garbage, sewage and should be collected by licensed waste oil collectors. It should not be mixed with any petroleum products or chemicals. It should not be burned in furnaces and boilers.

Should be kept away from children. Empty containers should not be thrown to the garbage or left in the environment and should be delivered to licensed recycling companies. For more information, please refer to the 'Material Safety Data Sheet'.

STORAGE CONDITIONS

Packaging should not be exposed to extended periods of direct sunlight. Packaging should not be in contact with water. Oils should not come into contact with dust and should be kept away from dusty environments. Ambient temperature should not exceed 40 ° C. The user is solely responsible for using the product according to its purpose and for complying with the laws and regulations in effect. Lubrico Petrokimya A.Ş. may not be held responsible for damages and loss due to use of product outside its normal or intended uses or due to inherent dangers of the product and its consequences.

TYPES OF PACKIN



200L



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