

**AMALIE**<sup>®</sup>

*Better than it has to be<sup>®</sup>  
Since 1903*



**MARINE**

**SAE  
50**

**50 TBN ENGINE OIL**



**MADE IN U.S.A.**



Better than it has to be®  
Since 1903

# MARINE 50 TBN ENGINE OIL

**AMALIE Marine Engine Oil SAE 50 - 50 TBN** is a marine engine oil that meets the requirements of medium speed trunk piston engines used as the main propulsion and auxiliary engines on deep-sea vessels, as main propulsion engines on coastal and river ships, and in stationary power applications. This oil is a premium, extra high performance 50 TBN engine oil designed for use in the most severe residual-fueled medium-speed diesel applications found in marine and stationary power industries. This diesel engine oil has been specially formulated to provide outstanding residual fuel compatibility characteristics for excellent engine cleanliness, especially in crankcase, camshaft areas, ring belt and piston under crown. It provides excellent high temperature oxidation and thermal stability, low volatility, and high load carrying properties and corrosion protection. It is designed to meet the needs of engines operating on heavy fuel. It is recommended for use in the latest model high power 2 and 4 cycle diesel engines. **AMALIE Marine Engine Oil SAE 50 - 50 TBN** is especially beneficial in engines having low crankcase oil consumption, or operating with low cylinder liner temperatures, and with fuels having high sulfur contents.

The **AMALIE Marine Engine Oil SAE 50 - 50 TBN** is formulated to provide excellent resistance to thermal degradation, and to promote a high level of engine cleanliness and protection against wear. It has good resistance to oxidation and viscosity increases over long operating periods. Relatively high alkalinity reserves in the oils provide superior protection, neutralizing strong acids resulting from high sulfur fuels that find access to the crank case to promote oil degradation, ring, cylinder, and bearing corrosion. **AMALIE Marine Engine Oil SAE 50 - 50 TBN** provides the following benefits when used as recommended. It is formulated to eliminate under crown deposits, reduce piston ring belt deposits, and maintain camshaft spaces and crankcase cleanliness. It contains the industry leading thermal and oxidation stability for long oil life and good oil consumption control. This oil provides outstanding lube/fuel compatibility.

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

SAE Grade.....	50
TBN, mgKOH/g.....	50
API Gravity.....	23.0
Flash Point, °C.....	230
Kinematic Viscosity @100°C, cSt.....	17.80
Kinematic Viscosity @40°C, cSt.....	185.0
Viscosity Index.....	100
Pour Point, °C.....	-12
Sulfated Ash (%M).....	6.5

Typical values are listed. Variations not affecting the performance of this fluid may occur during production; however, these variations will not fall outside of set specification parameters.

Please consult AMALIE Technical Services or your local representative for a full listing of applications.

Technical Services: • (800) 368-1264 • techservices@amalie.com

### MARINE - 50 TBN

VISCOSITY	PACK SIZE	PART #
50	55 Gallon Drum	160-69753-05

### Health and Safety

Safety Data Sheets (SDS) are available from your sales representative or at AMALIE.com.

Always refer to your vehicles operating manual to select the correct grade of oil for your engine. The data presented herein are believed to be accurate; however, Amalie Oil Company shall not be liable for its content and makes no warranty with respect thereto.