

# AMALIE®

Better than it has to be®  
Since 1903



# MARINE

# SAE 40

# 16 TBN ENGINE OIL



MADE IN U.S.A.



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# MARINE 16 TBN ENGINE OIL

**AMALIE Marine Engine Oil SAE 40 - 16 TBN** is a high performance, high dispersancy engine oil for medium and high-speed diesel engines operating on distillate and marine diesel oil (MDO) fuels. As a result of a special balance of dispersant and detergent properties, this oil provides not only increased resistance to cylinder liner lacquer formation and in severe service applications but also assist in sludge and deposit removal. Continued use of **AMALIE Marine Engine Oil SAE 40 - 16 TBN** protects against high oil consumption associated with cylinder liner lacquering, improves overall engine cleanliness and can increase time between engine overhauls. Superior load carrying properties minimize piston ring and liner wear, and also makes this special lubricant suitable for marine gearing applications. Advantages experienced by our customers are found in the increased thermal and oxidation stability characteristic which results in improved engine cleanliness, reduced liner lacquering, reduced top deck sludge, reduced piston ring groove deposits and bore polishing. The superior wear protection extends the life of critical wear surfaces. Enhanced detergency and dispersancy capability leads to reduced deposits especially in the ring belt area. This has the advantage of extending time between cylinder overhauls and has the benefit of reduced oil consumption. In addition, the stay-in-grade shear stability reduces oil consumption and improves bearing protection. The high TBN levels prevent corrosive wear due to higher sulphur fuels. The excellent load carrying capability extends life of bearing surfaces.

In all, the broad range of engine applications, conserves inventory as it functions as the one severe service engine lubricant for all shipboard applications. AMALIE recommends using this marine engine oil in the following engines: MAN, BandW, and Caterpillar (3600 series), Deutz, and Wartsilla. This advanced diesel lubricant possesses excellent water separation, rust and corrosion resistance properties. **AMALIE Marine Engine Oil SAE 40 - 16 TBN** may also be used where API CF performance level is recommended.

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

SAE Grade.....	40
TBN, mgKOH/g.....	16
API Gravity.....	27.0
Flash Point, °C.....	230
Kinematic Viscosity @100°C, cSt.....	14.6
Kinematic Viscosity @40°C, cSt.....	142.0
Viscosity Index.....	100
Pour Point, °C.....	-18
Sulfated Ash (%M).....	2.2

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 - 16 TBN

VISCOSITY	PACK SIZE	PART #
40	55 Gallon Drum	160-62443-05

### 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.