

# AMALIE

Better than it has to be®  
Since 1903



# MARINE

# SAE 50

# 70 TBN ENGINE OIL



MADE IN U.S.A.



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**AMALIE Marine Engine Oil SAE 50 - 70 TBN** is a premium crosshead cylinder oil for low-speed diesel engines normally operating at less than 350 rpm. It is recommended for applications where a premium grade cylinder lubricant is called for use in all types of low-speed crosshead diesel engines burning residual fuels with sulfur contents of up to 3.5% weight. It is ideally suited for the new generation of highly rated, fuel efficient, slow-speed marine diesel engines operating with higher pressures, higher temperatures and longer strokes. It is a blend of highly refined, high viscosity index base oils, and additives that incorporate premium additive technology. Recommended applications include low-speed marine diesel engines burning heavy fuel with a relatively high sulfur content of between 1.0 to 3.5% weight for slow speed marine diesel engine cylinders. The performance features of this unique formulation centers around and additive technology that imparts outstanding acid neutralizing properties to counter corrosive wear resulting from the use of high sulphur fuels. This results in minimum deposit formation on cylinder ports, pistons, piston rings, ring grooves and under piston spaces. Advantages also include low cylinder and piston ring wear rates, excellent engine cleanliness, extended interval between maintenance schedules.

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

SAE Grade.....	50
TBN, mgKOH/g.....	70
Kinematic Viscosity @100°C, cSt.....	230
Kinematic Viscosity @40°C, cSt.....	17.90
Viscosity Index.....	100
Sulfated Ash (%M).....	8.5
Flash Point, °C.....	230
Pour Point, °C.....	-12
API Gravity.....	27.5

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 - 70 TBN

VISCOSITY	PACK SIZE	PART #
50	55 Gallon Drum	160-69853-05

### 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.