

# MARINA 4040 / 4050

## Description

Trunk piston engine oil developed for use in medium speed diesel engines burning residual fuels. Formulated using highest quality base oils and special additives designed to overcome the adverse effects seen in engines operating with cracked residual fuels.

## Application

MARINA 4040-4050 Series is suitable for low or very low oil consumption engines operating with a poor-quality residual fuel. Also, for highly rated medium speed diesel engines used in marine and stationary power generation applications, burning heavy fuel oil with various qualities and sulfur contents.

## Operation Characteristics

- Very good wear protection and film strength at extreme pressure
- Excellent TBN reserve and retention
- Excellent detergency/dispersancy properties
- Increased protection against corrosive wear

## Specifications, Approvals, Recommendations

MARINA 4040 and MARINA 4050 hold approvals from all major medium speed engine manufacturers

## Typical Physical Characteristics

	ASTM	40	50
SPECIFIC GRAVITY (kg/lit)	D 1298	0,910	0,918
VISCOSITY AT 40°C (cSt)	D 445	140	162
VISCOSITY AT 100°C (cSt)	D 445	14	15,5
TBN	D 2896	40	40
FLASH POINT (°C) min.	D 92	>230	>230
POUR POINT (°C)	D 97	-12	-12

*These are typical values. Small variation should be expected for future productions / blendings.*

## Health, Safety and Environmental Protection

It is unlikely to cause any significant problem to the health or safety of the user when used properly, according to the typical handling of lubricating and usual personal hygiene practices. The used lubricants must be recycled in accordance with applicable legislation and placed in approved collection points. Do not discharge into drains, soil or water / sea. Always follow the instructions of the safety data sheet.