

# MARINA 30 XX Series

## Description

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

## Application

MARINA 30XX are 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 pressures.
- Excellent resistance to the negative effects on contamination with residual fuel.
- Very good water resistance and an outstanding demulsibility capacity.
- Excellent detergency/dispersancy properties.
- Excellent resistance to the negative effects on contamination with residual fuel.

## Specifications, Approvals, Recommendations

API CF, TBN 30

## Typical Physical Characteristics

	ASTM	3030	3040
SPECIFIC GRAVITY (kg/ltr)	D 1298	0,890	0,910
VISCOSITY AT 40°C (cSt)	D 445	111	140
VISCOSITY AT 100°C (cSt)	D 445	12	14
TBN	D 2896	30	30
FLASH POINT (°C ) min.	D 92	235	245
POUR POINT (°C)	D 97	-15	-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.