



## SPECIFICATION

API CF

## DESCRIPTION

MarineGard 300 is a premium quality system oil designed for crosshead diesel engines. High quality paraffinic base oils along with a balanced additive provides excellent protection during severe operating conditions of the latest design, high-output crosshead marine diesel engines. This product has enough alkalinity to neutralize strong acids which may find their way into the crankcase from the combustion of fuel sulphur; it has enhanced load carrying ability to reduce wear in heavily loaded bearings.

## BENEFITS

MarineGard 300 reduces piston cooling spaces in crankcases while maintaining cooler piston efficiency. Its properties have good water tolerance and separation hence protecting bearings against corrosion.

## APPLICATIONS

MarineGard 300 is primarily recommended for use as system oil in latest model, high-output, crosshead diesel engines which employ the system oil for piston cooling. It prevents and reduces deposit formation in the piston cooling spaces maintaining piston cooling efficiency and reducing the incidence of piston top burning and piston crown cracking. Its reserve alkalinity allows for the burning of high sulphur fuel.

MarineGard 300 is also recommended for system use in older crosshead diesel engines where under crown or crankcase deposits can be a problem with conventional system oils.



## TYPICAL CHARACTERISTICS

MarineGard 300	Test Method	Unit	Typical Values
SAE Grade		-	30
Kinematic Viscosity @ 40°C	ASTM D445	cSt	106
Kinematic Viscosity @ 100°C	ASTM D445	cSt	11.6
Viscosity Index	ASTM D2270	-	96
Density @20°C	ASTM D4052	kg/L	0.89
Flash Point	ASTM D92	°C	266
Pour Point	ASTM D97	°C	-12
Total Base Number	ASTM D 2896	mg KOH/g	5

The typical properties are obtained within normal production tolerance and are given only as an indication.

## HEALTH AND SAFETY

If this product is used according to our recommendations and for the planned applications it poses no particular risk. The Material safety data sheet is available on request from Customer Services. If elimination of waste oil, please respect the regulations and protect the environment.