



MARINE GEAR OIL SS150 AND SS300

ISO 150 & "300" Marine Gear Oils

Issue: December 2015

Product Code	Pack Size	Carton Qty
MGOSS150020	20 Litre	1
MGOSS150205	205 Litre	1
MGOSS300020	20 Litre	1
MGOSS3001000LTR	1000 Litre	1



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Description

Marine Gear Oil SS range are special purpose, semi-synthetic marine gear oils made with hydrocracked base oils and a non-sulphur phosphorus extreme pressure additive package. They contain an advanced vapour phase corrosion inhibitor to provide outstanding control of rust, even in salt water environments. They exceed the requirements of API GL-4.

Marine Gear Oil SS150 is an ISO 150.

Marine Gear Oil SS300 is an ISO "300" grade for use where ISO 220 and 320 gear oils are required .

Application

Marine Gear Oil SS150 is designed for marine gearboxes where heavy loads and high levels of airborne water contamination are prevalent. May also be used in automotive applications where API GL-4, SAE 80W-90 oils are recommended, where it will provide a superior shift to conventional products. Also ideal for use in manual transmissions where a 20W-50 motor oil is specified.

It was originally designed to exceed the requirements of Heimdal reduction gearboxes commonly used in tugs, fishing vessels, work boats, and other vessels requiring high pulling capacity, as well as for equipment operating in heavy duty or difficult conditions.

Marine Gear Oil SS300 is suitable for use in marine and industrial gear boxes and also in differentials where API GL-4, SAE 85W-140 oils are required.

Product Benefits

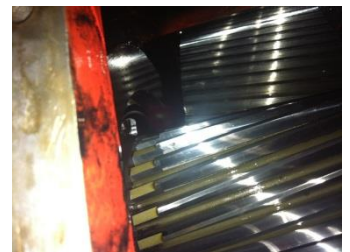
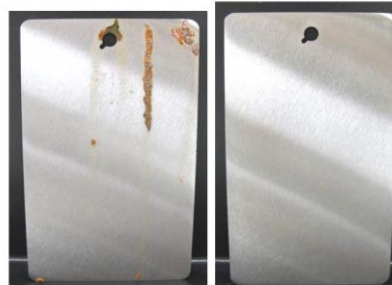
- Excellent wear protection, superior to API GL-3
- Suitable for automotive and marine applications
- Will not harm bronze, brass or white metal components
- Compatible with synchro materials
- Multigrade style blend provides faster flow at start up
- Special synthetic base oil helps to control deposits
- Excellent protection against rust and corrosion

The below photos show conventional gear oil versus Penrite Marine Gear Oil SS150 in two tests.

SALT SPRAY TEST

HUMIDITY CABINET TEST

HEIMDAL GEARBOX (1000 hrs)



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Industry Specifications

API GL-4

MAN 341SL (level)

ZFN 13010 (level)

Typical Data

Density at 15°C, kg/L

Viscosity, ISO

Viscosity, SAE Equivalent

Viscosity, Kinematic, cSt

at 40°C

at 100°C

Viscosity Index

Zinc, mass %

Magnesium, mass %

SS150

0.888

150

80W-90/20W-50

144

17.6

138

0.132

0.090

SS300

0.893

"300"

85W-140

291

28.9

134

0.132

0.090

Information in this sheet is based on recent production. Minor variations to typical properties are expected in normal manufacture and do not affect product performance. An MSDS is available on request.

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