



ENOC STRATA MSD

PRODUCT DESCRIPTION

ENOC STRATA MSD are a range of generation III high performance engine oils for all types of marine medium speed diesel engines operating on high sulphur residual fuels. They have been developed from the latest complex dispersant and detergent technology to provide long lubrication life and enhanced engine performance in particular in low emission engines and those with anti-bore glazing piston designs.

APPLICATIONS

- ◆ A range of high Total Base Number oils for use in Trunk Piston Engines burning variable quality residual fuel with high sulphur content available in the market
- ◆ Provide gear lubrication qualities for reduction gear applications where similar viscosities might be used
- ◆ Suitable for high output turbocharged engines
- ◆ It is recommended that Strata MSD oils are suitable for centrifuging and/or filtered in accordance with the manufacturers instructions
- ◆ Suitable for WARTSILA NSD, MAN (B&W), KHD DEUTZ, PIELSTICK , NIGATA, MAK, DAIHATSU, MIRLESS BLACKSTONE trunk piston diesel engines (4 Stroke)

PERFORMANCE STANDARDS

API	CF
CCMC	D2
Caterpillar	CMOT pass

BENEFITS

STRATA MSD provides:

- ◆ Suitability for engines using high sulphur residual or distillate fuels
- ◆ Superior resistance to oxidation and oil thickening
- ◆ Effective neutralisation of acidic combustion products
- ◆ Proven detergent/dispersant technology to reduce deposit formation
- ◆ Long engine and oil service life
- ◆ Excellent centrifugal separator operation

Technical Data*							
Product Grade	320	420	330	430	340	440	455
SAE Viscosity	30	40	30	40	30	40	40
Kinematic Viscosity mm ² /s @ 100°C	11.66	14.55	12.23	15.16	12.09	15.16	14.9
mm ² /s @ 40°C	104.3	147	110.3	151	107.2	151	148
Flash Point COC °C	240	258	256	252	258	254	258
Pour Point, °C	-15	-15	-15	-15	-15	-15	-15
Sulphated Ash % m	2.45	2.45	3.66	3.66	4.89	3.66	6.70
Total Base Number, ASTM D2896	20	20	30	30	40	40	55
FZG fail stage (A8.3/90)	12	12	12	12	12	12	12
Product code	252019	252010	252003	252005	252012	252002	252014

*The information prepared provides the typical properties that are considered as representative. Some variation which will not affect performance is possible

HEALTH AND SAFETY, ENVIRONMENT

The information on this product is available in the ENOC Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information we recommend you review the MSDS. Handled correctly there are no special precautions suggested.