

Product Data Sheet

Sonora MX

Description and Applications

Saheli Sonora MX is a marine engine oil developed to meet the performance requirements of modern turbocharged and naturally aspirated marine diesel engines operating on distillate diesel fuel.

Saheli Sonora MX is blended from highly refined base stocks and proven performance additives to provide good detergency, dispersancy and anti-wear protection with effective acid neutralization capability.

Saheli Sonora MX meets the requirements of most of the medium and high-speed marine diesel engines.

Features and Benefits

- High oxidation stability reduces sludge build up and viscosity increase to facilitate long drain intervals.
- Improved detergency reduces deposits, keeps engine clean and protects against bore polishing.
- Improved dispersancy ensures soot dispersion to control oil thickening and wear.
- Good TBN retention ensures effective acid neutralization.
- Effective anti-wear properties protect critical engine components to extend engine life and reduce maintenance costs.

Applications

- Turbocharged and naturally aspirated 4-stroke medium and high speed marine diesel engines requiring oils meeting the specifications given in the table below.
- Rescue boats, lifeboats, fishing trawlers and coastal vessels.
- Heavy-duty diesel engines used in mining, construction, agriculture and other off-highway applications.
- Transmissions requiring oil meeting the performance levels given below, more specifically Allison C-4 specifications.
- General ship applications requiring oils meeting the below mentioned specifications

Specifications

Meets

- **API CG-4, SL, SJ**
- ACEA E3, E2
- DaimlerChrysler MB 228.3, MAN M 3275, Volvo VDS-2
- Allison C-4
- MTU Oil Category 2

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| Test Parameters | Test Method | Typical |
|---------------------------------------|-------------|--------------|
| Sonora MX | | 15W40 |
| Density @ 15°C gm/cm ³ | ASTM D1298 | 0.895 |
| Viscosity Index | ASTM D2270 | 136 |
| Viscosity @ 100°C, mm ² /s | ASTM D445 | 14.60 |
| Pour Point °C | ASTM D 97 | -30 |
| Flash Point (COC) °C | ASTM D 92 | 225 |
| TBN, mgKOH/g | ASTM D 2896 | 10.49 |
| Sulfated Ash, wt% | ASTM D 874 | 1.46 |

The information contained in this data sheet are indicative and correspond to the date of publication of this document. The above data are based on laboratory tests. It is the reader's interest to ensure whether the most recent version of the data sheet. A safety data sheet is available on request by our sales consultant. For more information, please contact the sales department.

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