

Product Data Sheet

Azura XL-HP 15W40

Description and Applications

Saheli Azura XL-HP 15W40, is a premium quality marine engine oil developed to meet the performance requirements of modern turbocharged and naturally aspirated marine diesel engines operating on distillate diesel fuel under severe conditions.

Saheli Azura XL-HP 15W40 is blended from highly refined base stocks and new generation additives to provide excellent detergency, dispersancy and anti-wear protection with effective acid neutralization capability.

Saheli Azura XL-HP 15W40 offers exceptional protection and extended life to low emission diesel engines including those fitted with Exhaust Gas Recirculation (EGR) systems.

Saheli Azura XL-HP 15W40 meets the requirements of most of the medium and high-speed marine diesel engines.

Features and Benefits

- Excellent thermo-oxidative stability that reduces deposits, sludge and oil thickening.
- Excellent soot handling capability protects against oil thickening and wear.
- High shear stability ensures viscosity control at elevated temperatures and reduces oil consumption and wear.
- Advanced detergency reduces deposits, keeps engine clean and provides added protection against bore polishing.
- Excellent TBN retention capacity protects engine against corrosive wear by neutralizing the acids.

Applications

- **Saheli Azura XL-HP 15W40** is recommended for turbocharged and naturally aspirated 4-stroke medium and high speed marine diesel engines requiring oils meeting the specifications given in the table below. **Saheli Azura XL-HP 15W40** is also recommended for rescue boats, lifeboats, fishing trawlers and coastal vessels, heavy duty diesel engines used in mining, construction, agriculture and other off-highway applications including those fitted with EGR systems and meeting US 2004 emission norms introduced in 2002 requiring oils meeting specifications given below.
- **Saheli Azura XL-HP 15W40** can also be used in transmissions requiring oil meeting the performance levels given below and as general ship applications requiring oils meeting the below mentioned specifications.

Specifications

- API CI-4/CH-4/CG-4/CF-4
- MB 228.3
- ACEA E7, MTU Type 2, MAN M3275
- Volvo VDS-3
- Cummins 20071/20072/20076/20077/20078

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Test Parameters	Test Method	Typical Results
SAE Viscosity Grade	SAE (J300)	15W40
Density @ 15°C gm/cm ³	ASTM D4052	0.890
Viscosity Index	ASTM D2270	140
Viscosity @ 40°C, mm ² /s	ASTM D7042	106
Viscosity @ 100°C, mm ² /s	ASTM D7042	14.5
Pour Point °C	ASTM D 97	-27
Flash Point (COC) °C	ASTM D 92	226
TBN, mgKOH/g	ASTM D 2896	11.40
Sulfated Ash, wt%	ASTM D 874	1.45