

Product Data Sheet

Azura MD

Description and Applications

Saheli Azura MD is a range of premium quality trunk piston diesel engine oils designed for use in modern medium speed diesel engines operating on distillate fuels having sulphur contents up to 1%. The advanced additive technology used in **Saheli Azura MD** provides excellent engine cleanliness and protection under severe operating conditions and assists in controlling oil consumption in modern engines, where liner lacquering is a potential problem and meets the performance requirements of **API CF**.

Features and Benefits

- Excellent detergency ensuring piston and crankcase cleanliness, which helps in maintaining the efficiency of the engine.
- Superior liner lacquer control helps in maintaining oil consumption at its normal level.
- Improved anti-wear property protects against engine wear and reduces maintenance costs.
- Exceptional thermo-oxidative stability retards oil degradation and extends its service life.
- Good TBN retention ensures protection of engine parts against corrosive combustion products and superior demulsibility characteristics ensures water separation leading to trouble free operation.
- Special rust and corrosion inhibitors prevent corrosion of engine parts in severe salt-water environment.

Applications

- **Saheli Azura MD** is recommended for modern medium speed engines used in marine, power generation and industrial applications operating on distillate fuels having sulphur contents up to 1%.
- Oils of appropriate TBN to be chosen based on the sulphur content of fuel used.
- Follow on manufacturers' recommendation for selection of suitable TBN level/SAE viscosity grade.
- **Saheli Azura MD** is also recommended for general lubrication of shipboard equipment where specialized lubricants are not required or use of API CF quality oils are adequate.

Specifications

- **API CF**
- **NATO O – 278**
- **SKL Motor GmbH (4012)**

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Test Parameters	Test Method	Typical Results			
Saheli Azura MD		3012	4012	3015	4015
SAE Viscosity Grade	SAE (J300)	30	40	30	40
Density @ 15°C gm/cm ³	ASTM D4052	0.892	0.894	0.895	0.897
Viscosity Index	ASTM D2270	97	95	98	96
Viscosity @ 40°C, mm ² /s	ASTM D7042	99.1	143.3	99.1	144.6
Viscosity @ 100°C, mm ² /s	ASTM D7042	11.1	14.1	11.2	14.3
Pour Point °C	ASTM D 97	-18	-15	-18	-18
Flash Point (COC) °C	ASTM D 92	232	240	234	244
TBN, mgKOH/g	ASTM D 2896	12	12	15	15
Sulfated Ash, wt%	ASTM D 874	1.57	1.68	1.92	2.08

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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