



Research & Development

PRODUCT DATA SHEET

AXCL ULTRAMARINE ENGINE OIL API CF SAE40 TBN 15

PRODUCT DESCRIPTION

AXCL ULTRAMARINE Engine Oil is a range of trunk piston engine oils developed for use in medium speed diesel engines burning residual fuels (sulphur up to 2.0 %). AXCL ULTRAMARINE Engine Oil combines an exclusive formulation of latest additive technologies and finest quality highly refined base oil to provide a substantial safety margin to cope with the higher stress levels even with the latest and future designs of diesel engines.

PERFORMANCE LEVEL

- API CF
- CCMC D2

BENEFITS & ADVANTGES

- Exceptional detergency and anti wear properties, with effective control of soot, sludge and piston deposits.
- Extended drain capability & high temperature properties.

APPLICATIONS

- Highly rated medium speed diesel engines used in marine and stationary power generation applications, burning heavy fuel oil with various qualities and sulphur contents.
- Bearings and stern-tubes & reduction gear lubrication.

SPECIFICATION & TECHNICAL PARAMETER

#	Test	Method	Result
1.	Viscosity Grade	SAE	40
3.	Kin. Viscosity @ 40 °C	ASTM D 445	160.0
4.	Kin. Viscosity @ 100 °C	ASTM D 445	15.70
5.	Viscosity Index	ASTM D 2270	100
6.	Density @ 15 °C	ASTM D 1298	0.88
7.	Foam Sequence I, II, III	ASTM D 892	0/0
8.	TBN mg KOH/g	ASTM D 2896	15.0
9.	Flash Point °C	ASTM D 92	≥240
10.	Pour Point °C	ASTM D 97	≤-15
11.	Sulphated Ash, wt%	ASTM D 874	1.90

*Technical data provided here is for reference only. Minor variations in product typical test data are to be expected.

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