



Research & Development

# PRODUCT DATA SHEET

## AXCL DIESEL ENGINE OIL API CD/SF

### PRODUCT DESCRIPTION:

Monograde diesel engine oil that meets and exceeds API level CD/SF, AXCL DEO is a multifunctional crankcase lubricant suitable for medium-speed diesel engines. The level of alkaline reserve and very high viscosity makes it particularly suitable for use with high sulfur fuels at appropriate oil drain intervals. Moreover, it is capable of withstanding high oils stress and has been further enhanced for improved deposit and sludge control.

### PERFORMANCE LEVEL

API CD/CF/SF, Japanese CD industry Guideline, CCMC D2, MIL-L-2104D, MIL-L-2104C

### BENEFITS & ADVANTAGES

- Detergent-dispersant capability keeping engine components clean.
- Better alkalinity (TBN) retention
- Good oxidation stability.
- Mixed fleet convenience
- Thermal stability and oxidation resistance.

### SPECIFICATION & TECHNICAL PARAMETER:

#	Test	Method	Result	
1.	Viscosity Grade	SAE	40	50
2.	Appearance	Visual	B&C	B&C
3.	Color	ASTM D 1500	L 2.5	L 2.5
4.	Kin. Viscosity @ 40 °C, cSt	ASTM D 445	155.6	227.0
5.	Kin. Viscosity @ 100 °C, cSt	ASTM D 445	15.40	20.10
6.	Viscosity Index	ASTM D 2270	100	102
7.	Density @ 15 °C	ASTM D 1298	0.88	0.89
8.	TBN, mg KOH/g	ASTM D 2896	8.1	8.1
9.	Flash Point, °C	ASTM D 92	≥ 200	≥ 220
10.	Pour Point, °C	ASTM D 97	≤15	≤15
11.	Foam Seq. I, II, III	ASTM D 892	0/0	0/0
12.	Water Content	Crackle	- ve	- ve

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

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