



Research & Development

# PRODUCT DATA SHEET

## AXCL XD14 DIESEL ENGINE OIL FULLY SYNTHETIC API CJ4/SM

### PRODUCT DESCRIPTION

AXCL Fully Synthetic Diesel Engine oil is formulated to meet high performance requirements of the latest model car and trucks. AXCL Fully Synthetic Diesel Engine oil is superior to conventional oils as it exhibits a higher viscosity index, better thermal and oxidation stability as well as lower volatility. Additionally, it is fortified with unique phosphate esters. Its stable TBN additive package neutralizes damaging acids produced during the combustion process.

### PERFORMANCE LEVEL

API CJ-4, MACK EO-O Premium Plus, API SM, CUMMINS CES 20081, ACEA E9-08, Volvo VDS-4, Renault RLD-3, Detroit Diesel DD 93K218 PGOS, Caterpillar ECF-3, MAN 3575

### BENEFITS & ADVANTAGES

- Provides exceptional protection from piston deposits, oil thickening and valve train wear while minimizing engine sludge formation.
- Engineered to provide exceptional performance in engines operating under severe service conditions, including towing and hauling under high temperatures
- Special viscosity improvers, anti-wear, anti-oxidant and detergent additives protect, maintain cleanliness in hot running diesel engines Extended drain capability.
- Excellent high temperature properties.

### SPECIFICATION & TECHNICAL PARAMETER

S#	Test	Method	Result	
1.	SAE GRADE	-	5W20	15W40
2.	Appearance	Visual	B&C	B&C
3.	Color	D 1500	L3.5	L3.5
4.	Kin. Viscosity @ 100 °C	D 445	8.50	15.61
5.	Kin. Viscosity @ 40 °C	D 445	45.0	114.0
6.	Density @ 15 °C	D 1298	0.86	0.88
7.	Viscosity Index	D 2270	169	145
8.	Pour Point °C	D 97	≤39	≤39
9.	Flash Point °C	D 92	≥ 230	≥ 230
10.	TBN, mg KOH / g	D 2896	≥11.0	≥11.0
11.	Foam Seq. I,II,III	D 892	0/0	0/0
12.	Cranking(mPa.s)max at Temp °C	D 5293	≤6600-30°C @	≤7000-20°C @

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

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