



# IDO Advantage FA-4

## Premium Heavy-Duty Diesel



### Features & Benefits

- Extended drain capability with used oil monitoring and diagnostics
- Inhibits chemical attack on non-ferrous metals
- 17 Million Miles of on-road testing with 23,000 hours off-road
- Quantifiable increased wear protection for Cams, Tappets, Rings, Cross Heads, Injector Screws and so much more
- Improved deposit control
- Improved shear stability
- Greater viscosity retention
- Up to 23% better contamination handling
- Between 14%-57% improvements in wear protection

### Specifications

	Approved	Meets
API FA-4	✓	-
Cummins CES 20087	✓	-
Detroit Diesel DDC93K223	✓	-
JASO DH-2	-	✓

### Sizes & Order Codes

10W-30 FA-4		
5 L / 1.32 US gal	F0114730	
18.9 L / 5 US gal	F0114740	
60 L / 15 US gal	F0114745	

### Typical Results

Test Method	10W-30 FA-4
<b>VISCOSITY</b> (D445)	
cSt @ 40 °C	66.7
cSt @ 100 °C	9.7
<b>VISCOSITY INDEX</b> (D2270)	127
<b>DENSITY</b> (D4502) @15°C (kg/l)	0.87
<b>POUR POINT</b> (°C) (D97)	-35
<b>FLASH POINT</b> (°C) (D93)	208
<b>TOTAL BASE NUMBER</b> (D2896) (mgKOH/g)	10.5

**IDO ADVANTAGE FA-4** represents the latest technology and advancements in heavy duty diesel engine oils. FA-4 compliant engines were designed to run on low viscosity oils to provide optimum fuel efficiency and environmental benefits.

**IDO ADVANTAGE FA-4** oil helps deliver up to a 1.2% increase in fuel economy when compared to 15W-40 oils with no compromise to engine durability. Increased oxidation resistance, wear control, viscosity retention, oil economy and extended drain intervals with regular used oil analysis, are just a few of the benefits you will experience with **IDO ADVANTAGE FA-4**.



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Supporting data available to demonstrate acceptable performance. Check with your sales associate for latest product approvals. Please note, these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to 04-11-19.

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