

# IDO Advantage 10W-30 Synthetic Blend FA-4 Premium Diesel Engine Oil



## Features & Benefits

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

## Specifications

- ✓ Meets Requirements • Approved/Licensed

Specifications/Claims	10W-30 Syn Blend FA-4
API FA-4	•
Cummins CES 20087	•
JASO DH-2	•
Detroit Diesel DFS 93K223	✓

## Typical Results

Test Method	10W-30 Syn Blend FA-4
<b>VISCOSITY</b> (D445) cSt @ 40°C cSt @ 100°C	66.6 9.9
<b>VISCOSITY INDEX</b> (D2270)	132
<b>DENSITY @ 15°C</b> (D4052) (kg/L)	0.87
<b>POUR POINT</b> (D97) (°C)	-45
<b>FLASH POINT</b> (D93) (°C)	210
<b>TOTAL BASE NUMBER</b> (D2896) (mgKOH/g)	10.5
<b>CCS @ -25°C</b> (D5293) (cP)	5,500
<b>HTHS @ 150°C</b> (D4683) (cP)	3.1
<b>SULFATED ASH</b> (D874) (%wt.)	1.0 max
<b>PUMPING @ -30°C</b> , (D4684) (cP)	14,400

## Sizes & Order Codes

Size	10W-30 Syn Blend FA-4
5 L / 1.32 US Gallon	F0114630
18.9 L / 5 US Gallon	F0114640
60 L / 15.85 US Gallon	F0114645
Bulk	B0114601

**IDO ADVANTAGE 10W-30 SYN BLEND FA-4** is a synthetic-blend 10W-30 representing the latest technology and advancements in heavy-duty diesel engine oil. FA-4 compliant engines were designed to run on low-viscosity oils to provide optimum fuel efficiency and environmental benefits.

**IDO ADVANTAGE 10W-30 SYN BLEND FA-4** has better low-temperature properties than conventional oils, with lower pour point and pumping ability. It also has a higher viscosity index to better maintain viscosity in changing temperatures.

**IDO ADVANTAGE 10W-30 SYN BLEND FA-4** oil contains low sulfated ash, phosphorus and sulfur (SAPS), making it compatible with after-treatment systems such as Diesel Particulate Filter (DPF). This low sulfated ash content minimizes the pumping of the DPF.

**IDO ADVANTAGE 10W-30 SYN BLEND FA-4** oil meets the stringent high-temperature high, shear specifications required by API FA-4. This helps deliver up to a 1.2% increase in fuel economy 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.

**IDO ADVANTAGE 10W-30 SYN BLEND FA-4** is NOT interchangeable or backward compatible with API CK-4, CJ-4, CI Plus or CH-4 oils unless stated otherwise by the OEM.



[www.irvingoil.com/lubricants](http://www.irvingoil.com/lubricants)  
1.800.574.5823