



# IDO Premium Plus CK-4

Premium Heavy-Duty Diesel



## Features & Benefits

- Improves shear stability
- Prevents piston deposits
- Greater viscosity retention
- Up to 10% better oxidation protection than CJ-4
- Up to 0.89% better fuel economy
- Up to 14% less wear than CJ-4 oils
- Up to 23% better contamination handling
- Inhibits chemical attack on non-ferrous metals
- 17 Million Miles of on-road testing with 23,000 hours off-road
- Increased oil drain intervals with regular used oil analysis testing
- Quantifiable increased wear protection for Cams, Tappets, Rings, Cross Heads, Injector Screws and so much more

## Specifications

Approved:	15W-40 CK-4	10W-30 CK-4
API CK-4, CJ-4, CI-4 PLUS	✓	✓
Cummins CES 20086	✓	✓
Detroit Diesel DDC93K222	✓	✓
MACK EOS-4.5	✓	✓
VOLVO VDS 4.5	✓	✓
Renault VI RLD-4	✓	✓
Meets Requirements Of:	15W-40 CK-4	10W-30 CK-4
FORD WSS-M2C171-F1	✓	✓
CAT ECF-3	✓	✓
ACEA E7, E9	✓	✓
MB 228.31	✓	✓
MAN 3275, 3575	✓	✓
MTU Category 2.1	✓	✓
Deutz DQC III-10 LA	✓	✓
JASO DH-2	✓	✓

## Typical Results

Test Method	15W-40 CK-4	10W-30 CK-4
<b>VISCOSITY (D445)</b>		
cSt @ 40 °C	117	80
cSt @ 100 °C	15.5	11.6
<b>VISCOSITY INDEX (D2270)</b>	139	137
<b>DENSITY (D4502) @15°C (kg/L)</b>	0.87	0.87
<b>POUR POINT (°C) (D97)</b>	-29	-35
<b>FLASH POINT (°C) (D93)</b>	211	208
<b>TBN (D2896) (mgKOH/g)</b>	10.1	10.2

**IDO Premium Plus CK-4** next generation oil was formulated to exceed compliance levels set forth by the EPA for 2017 and forward diesel engines.

**IDO Premium Plus CK-4** was designed to provide improvements in emissions control, wear protection, TBN retention, shear stability, fuel economy, oxidation resistance and enhanced drain intervals with regular used oil analysis.

**IDO Premium Plus CK-4** oils are backwards compatible making them ideal for large, small and mixed fleet operations where multiple service categories are represented. Formulated with high quality base oils coupled with superior CK-4 additive technology, this robust product starts protecting your engine from the click of the ignition.

**IDO Premium Plus CK-4** provides increased wear protection, improved oxidation resistance, enhanced fuel economy and longer oil life.

## Sizes & Order Codes

Sizes	15W-40 CK-4	10W-30 CK-4
946 ml/1 US qt	F0114115	F0114215
5 L /1.32 US gal	F0114130	F0114230
18.9 L/5 US gal	F0114140	F0114240
60 L/15 US gal	F0114145	F0114245
205 L/54.2 US gal	F0114150	F0114250
1000 L/264 US gal	F0114160	F0114260
Bulk	B0114101	B0114201



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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 December 2, 2021.

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