



IDO Premium Plus CK-4



Features & Benefits

- 10% better oxidation protection than CJ-4
- Improved shear stability
- Greater viscosity retention
- Up to 0.89% better fuel economy
- Up to 14% less wear than CJ-4 oils
- Up to 23% better contamination handling
- Prevents piston deposits
- 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

Premium Heavy-Duty Diesel

Specifications

Meets Requirements Of:	15W-40 CK-4	10W-30 CK-4
API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4	✓	✓
CAT ECF-3	✓	✓
FORD WSS-M2C171-F1	✓	✓
Cummins CES 20086	✓	✓
Detroit Diesel DDC93K222	✓	✓
MACK EOS-4.5	✓	✓
VOLVO VDS 4.5	✓	✓
Renault VI RLD-4	✓	✓
ACEA E7-16, E9-16	✓	✓
MB 228.31	✓	✓
MAN 3575	✓	✓
MAN 3275	✓	✓
MTU Category 2.1	✓	✓
Deutz DQC III-10 LA	✓	✓
JASO DH-2 MRO (Meets requirements of)	✓	✓

Typical Results

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

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

Sizes & Order Codes

15W-40 CK-4	10W-30 CK-4
946 ml/1 US qt F0114115	946ml/1 US qt F0114215
5 L /1.32 US gal F0114130	5 L /1.32 US gal F0114230
18.9 L/5 US gal F0114140	18.9 L/5 US gal F0114240
60 L/15 US gal F0114145	60 L/15 US gal F0114245
205 L/54.2 US gal F0114150	205 L/54.2 US gal F0114250
1000 L/264 US gal F0114160	1000 L/264 US gal F0114260
Bulk B0114101	Bulk 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 03-04-19.

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