



# IDO Premium Plus CK-4

## Premium Heavy-Duty Diesel

### Features & Benefits

- Improves shear stability and viscosity retention
- Low ash formula
- 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
- 17 Million Miles of on-road testing
- 23,000 hours off-road testing
- Quantifiable increased wear protection for Cams, Tappets, Rings, Cross Heads, Injector Screws and so much more

### Specifications

✓ Meets Requirements • Approved/Licensed \* Backwards Compatible

Specification/claims:	15W-40	10W-30
API CK-4, CJ-4, CI-4 PLUS*	•	•
Cummins CES 20086*	•	•
Detroit Diesel DFS 93K222*	•	•
MACK EOS-4.5*	•	•
VOLVO VDS-4.5*	•	•
Renault VI RLD-3*	•	•
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	10W-30
VISCOSITY (D445) cSt @ 40°C cSt @ 100°C	117 15.5	80 11.6
VISCOSITY INDEX (D2270)	139	137
DENSITY @15°C (D4502) (kg/L)	0.87	0.87
POUR POINT (D97) (°C)	-32	-36
FLASH POINT (D93) (°C)	211	208
TBN (D2896) (mgKOH/g)	10.1	10.2
HTHS @ 150°C (D4683) (cP)	4.3	3.5
CCS VISCOSITY (D5293) (cP)	4800 @ -20°C	6380 @ -25°C



**IDO Premium Plus CK-4** next-generation oil was formulated to meet API CK-4 specifications and compliance levels set forth by the EPA for diesel engines manufactured in 2017 and onward. It is fully backward serviceable to API CJ-4, CI-4 Plus, and CH-4.

**IDO Premium Plus CK-4** was designed to improve 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** is compatible with exhaust after-treatment devices, including Diesel Particulate Filters (DPF), Diesel Oxidation Catalysts (DOC), and Selective Catalytic Reduction systems (SCR).

### Sizes & Order Codes

Sizes	15W-40	10W-30
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 Tote	F0114101	F0114201
Bulk	B0114101	B0114201

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1.800.574.5823

Always consult your owner's manual for verification of fluid type and grade!

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 November 8, 2022.

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