

# IDO Premium Plus CK-4

## Synthetic Blend

### Features & Benefits



- Prevents piston deposits
- Increased oil drain intervals with regular used oil analysis testing
- 17 Million Miles of on-road testing with 23,000 hours off-road
- Improved shear stability
- Up to 23% better contamination handling
- Up to 0.89% better fuel economy
- Up to 14% less wear than CJ-4 oils
- 10% better oxidation protection than CJ-4



### Specifications

	Approved	Meets
API CK-4	✓	-
API CJ-4, CI-4 PLUS, CI-4, CH-4	-	✓
Cummins CES 20086	✓	-
Detroit Diesel DDC93K222	✓	-
Renault VI RLD-4	✓	-
ACEA E7-16	-	✓
ACEA E9-16	-	✓
Deutz QDC III-10 LA	-	✓
JASO DH-2	-	✓
CAT ECF-3	-	✓
Ford WSS-M2C171-F1	-	✓
Mack EOS-4.5	✓	-
VOLVO VDS 4.5	✓	-
MB 228.31	-	✓
MAN 3575	-	✓
MAN 3275	-	✓
MTU Category 2.1	-	✓

### Typical Results

Test Method	10W-30 Syn Blend CK-4
<b>VISCOSITY</b> (D445) cSt @ 40 °C cSt @ 100 °C	79.9 11.6
<b>VISCOSITY INDEX</b> (D2270)	138
<b>DENSITY</b> (D4502) @15°C (kg/L)	0.87
<b>POUR POINT</b> (°C) (D97)	-44
<b>FLASH POINT</b> (°C) (D93)	208
<b>TOTAL BASE NUMBER</b> (D2896) (mgKOH/g)	10.2

**IDO PREMIUM PLUS SYN BLEND CK-4** next generation oil was formulated to exceed compliance levels set forth by the EPA for 2017 and forward diesel engines. This oil was formulated to provide quantifiable improvements in emissions control, wear protection, TBN retention, shear stability, fuel economy and oxidation resistance. The result is a robust oil with enhanced drain intervals when coupled with regular used oil analysis.

**IDO PREMIUM PLUS SYN BLEND CK-4** is also backwards compatible making it ideal for large, small and mixed fleet operations where multiple service categories are represented.

**IDO PREMIUM PLUS SYN BLEND CK-4** starts protecting your engine from the click of the ignition. The ultra-pure high-quality base oils and superior CK-4 additive technology, will ensure engines experience significantly increased wear protection, improved oxidation resistance, enhanced fuel economy and longer oil life with.

### Sizes & Order Codes

10W-30 Syn Blend CK-4
5 L/ 1.32 US gal F0114330
18.9 L/5 US gal F0114340
60 L/15 US gal F0114345
1000 L/ 264 US gal F0114360



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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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