



# IDO Premium Plus Synthetic CK-4



## Features & Benefits

- 100% Synthetic
- Advanced formulation
- Exceptional performance in cold weather

Canada, one of the harshest cold temperature climates in the world, requires an engine oil that delivers exceptional cold temperature performance.

## Specifications

	Approved	Meets
API CK-4	✓	-
API SN	✓	-
CAT ECF-3	-	✓
Chrysler MS-10902	-	✓
Cummins CES 20086	-	✓
Detroit Diesel DDC93K222	-	✓
Deutz III-10 LA	-	✓
Mack EOS-4.5	-	✓
Volvo VDS-4.5	-	✓
Renault VI RLD-4	-	✓
ACEA E9	-	✓
MB 228.31	-	✓
MTU 2.1	-	✓
Ford WSS-M2C171-F1	-	✓
MAN 3575	-	✓

**IDO Premium Plus Synthetic 5W-40 CK-4** has exceptional cold cranking and cold pumping ability. Performance in these areas enables faster startup and wear protection when the engine is most vulnerable.

**IDO Premium Plus Synthetic 5W-40 CK-4** is an advanced formulation designed to deliver exceptional protection for demanding operating conditions including industries such as Mining, Construction, Forestry, Trucking Operations and so much more.

**IDO Premium Plus Synthetic 5W-40 CK-4** is backwards compatible to API CJ-4, CI-4+, CI-4 and CH-4 performance claims under current licensing guidelines.

## Typical Results

Test Method	5W-40 Synthetic CK-4
<b>VISCOSITY</b> (D445) cSt @ 40 °C cSt @ 100 °C	93.3 15.2
<b>VISCOSITY INDEX</b> (D2270)	172
<b>DENSITY @15°C</b> (kg/L) (D4502)	0.86
<b>FLASH POINT</b> (°C) (D93)	185
<b>TOTAL BASE NUMBER</b> (D2896) (mgKOH/g)	11
<b>SULFATED ASH</b> % (m/m) (D874)	0.97
<b>VISCOSITY, COLD CRANK @ -30°C</b> (cP) (D5293)	6300
<b>VISCOSITY, MRV @ -35°C</b> (cP) (D4684)	26,100
<b>POUR POINT</b> (°C) (D97)	-45
<b>VISCOSITY, HTHS</b> (cP) (D4683)	4.1
<b>ZINC</b> (% mass) (D4951)	0.12
<b>PHOSPHORUS</b> (% mass) (D4951)	0.11

## Sizes & Order Codes

Sizes	Synthetic 5W-40 CK-4
5 L /1.32 US Gal	F0114530
18.9 L/5 US Gal	F0114540
60L/15.8 US Gal	F0114545
205L/ 54.2 US Gal	F0114550
1000 L/ 264 US Gal	F0114560
Bulk Tote	F0114501

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

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.

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