



IDO Premium Plus Synthetic 5W-40 CK-4



Features & Benefits

- 100% Synthetic
- Advanced formulation
- Exceptional performance in cold weather
- Low-ash formulation
- Excellent TBN retention
- One engine oil for mixed fleet operations, for both diesel and gasoline engines.

Specifications

✓ Meets Requirements • Approved/Licensed * Backwards Compatible

Specifications/Claims	5W-40 Synthetic CK-4
API CK-4*	•
API SN*	•
CAT ECF-3*	✓
Chrysler MS-10902	✓
Cummins CES 20086*	✓
Detroit Diesel DFS 93K222*	✓
Deutz III-10 LA	✓
Mack EOS-4.5*	✓
Volvo VDS-4.5*	✓
Renault VI RLD-3*	✓
ACEA E9	✓
MB 228.31	✓
MTU 2.1	✓
Ford WSS-M2C171-F1*	✓
MAN 3575	✓

Typical Results

Test Method	5W-40 Synthetic CK-4
VISCOSITY (D445) cSt @ 40 °C cSt @ 100 °C	93.3 15.2
VISCOSITY INDEX (D2270)	172
DENSITY @15°C (kg/L) (D4502)	0.86
FLASH POINT (°C) (D93)	185
TOTAL BASE NUMBER (mgKOH/g) (D2896)	11
SULFATED ASH (% wt.) (D874)	0.97
CCS VISCOSITY @ -30°C (cP) (D5293)	6,300
MRV VISCOSITY @ -35°C (cP) (D4684)	26,100
POUR POINT (°C) (D97)	-45
VISCOSITY, HTHS (cP) (D4683)	4.1
ZINC (%wt.) (D4951)	0.12

IDO Premium Plus Synthetic 5W-40 CK-4 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 compatible with exhaust after-treatment devices, including Diesel Particulate Filters (DPF), Diesel Oxidation Catalysts (DOC), and Selective Catalytic Reduction systems (SCR).

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 in industries such as Mining, Construction, Forestry, Trucking Operations, and so much more.

IDO Premium Plus Synthetic 5W-40 CK-4 is licensed for API SN and backward compatible with API CJ-4, CI-4 Plus, and CH-4 performance claims under current licensing guidelines.

Sizes & Order Codes

Sizes	5W-40 Synthetic 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

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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 September 9, 2022.

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