



# IDO Premium Plus 5W-40 CK-4

## Full Synthetic Heavy-Duty Diesel Engine Oil

### Features & benefits

- Reliable in low-temperature conditions, including arctic conditions
- Excellent cold weather start-up
- 5x the durability compared to API CK-4 limits
- Improves cleanliness and maintains oxidation control
- Meets and exceeds major OEM claims



### Specifications

✓ Meets requirements • Approved/Licensed \* Backwards compatible

Specification	5W-40
ACEA E11	✓
API CK-4, CJ-4, CI-4 PLUS*	•
API SN*	•
CAT ECF-3*	✓
Cummins CES 20086*	✓
Daimler Truck DTFR 15C100	✓
Detroit Diesel DFS 93K222*	✓
Deutz DQC III-10 LA	✓
FORD WSS-M2C171-F1*	✓
Mack EOS-4.5*	✓
MAN M 3575, 3775	✓
MTU Type 2.1*	✓
Renault Truck RLD-4*	✓
Volvo VDS-4.5*	✓

### Typical results

Test Method	5W-40
<b>VISCOSITY</b> (D445) cSt @ 40°C cSt @ 100°C	94.2 15.3
<b>VISCOSITY INDEX</b> (D2270)	173
<b>POUR POINT</b> (D5950), °C	-45
<b>FLASH POINT</b> (D93), °C	200
<b>FLASH POINT</b> (D92), °C	230
<b>COLD CRANKING VISCOSITY</b> (D5293), cP @ -30°C	5,910
<b>TBN</b> (D2896), mg KOH/g	10.5
<b>MRV VISCOSITY</b> (D4684), cP @ -35°C	25,700
<b>HTHS VISCOSITY</b> (D4683), cP @ 150°C	4.2
<b>SULFATED ASH</b> (D874), % wt. (D874)	0.95

IDO Premium Plus 5W-40 CK-4 is an advanced, fully synthetic, low-viscosity heavy-duty engine oil formulated to meet API CK-4 specifications and the EPA's compliance levels 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 (SCR) systems.

IDO Premium Plus 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 the most vulnerable.

IDO Premium Plus 5W-40 CK-4 is designed to deliver exceptional protection for demanding operating conditions in industries such as Mining, Off-Highway, Construction, Forestry, Trucking Operations, and more.

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

### Sizes & order codes

Size	5W-40
5 L (1.32 US gal)	F0114530
18.9 L (5 US gal)	F0114540
60 L (15.85 US gal)	F0114545
205 L (54.2 US gal)	F0114550
1000 L (264 US gal)	F0114560
Bulk	F0114501

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

Supporting data available to demonstrate acceptable performance. Check with Sales Associate for the latest product approvals.

Please note these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to January 17, 2025.

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