



IDO Premium Plus Synthetic Blend 10W-30 CK-4 Heavy-Duty Diesel Engine Oil

Features & benefits

- Synthetic blend formulation
- Excellent shear stability and film strength
- Fully backwards compatible to CJ-4, CI-4 Plus, CI-4 and CH-4
- Compatible with low and ultra-low sulfur diesel.
- Registered with major OEMs
- Meets and exceeds major OEM specifications



Specifications

✓ Meets requirements • Approved/Licensed * Backwards compatible

Specification	10W-30 CK-4 SB
Allison TES-439	✓
ACEA E7, E11	✓
API CK-4, CJ-4*, CI-4 PLUS*	•
CAT ECF-3	✓
Cummins CES 20086	•
Daimler Truck DTFR 15C100	✓
Detroit Diesel DFS 93K222	•
Deutz DQC III-18 LA	✓
FORD WSS-M2C171-F1	✓
MACK EOS-4.5	•
JASO DH-2	✓
MAN M 3775	✓
MTU Category 2.1	✓
Renault VI RLD-3	•
VOLVO VDS-4.5	•

Typical Results

Test Method	10W-30 CK-4 SB
VISCOSITY (D445) cSt @ 40°C cSt @ 100°C	82.4 12.0
VISCOSITY INDEX (D2270)	140
ASTM COLOUR (D1500)	4.0
POUR POINT (D5949), °C	-36
FLASH POINT (D93), °C	202
COLD CRANKING VISCOSITY (D5293), cP	5852 @ -25°C
TBN (D2896), mg KOH/g	9.6
MRV VISCOSITY (D4684), cP	19,700 @ -30°C
HTHS VISCOSITY (D4683), cP @ 150°C	3.5
NOACK VOLATILITY (D5800) 1 hr @ 250°C, %	10
SULFATED ASH (D874), %	0.9

IDO Premium Plus Synthetic Blend 10W-30 CK-4 is a next-generation oil formulated to meet API CK-4 specifications and compliance levels set forth by the EPA for diesel engines manufactured in 2017 and onward.

IDO Premium Plus Synthetic Blend 10W-30 CK-4 is blended with synthetic blend base oils to improve fluidity at cold temperatures, protect critical components in elevated temperatures, and increase fuel economy. It provides a more stable lubrication film over a wider temperature range than its conventional counterpart.

IDO Premium Plus Synthetic Blend 10W-30 CK-4 is fully backward serviceable to API CJ-4, CI-4 PLUS, and CH-4, making it ideal for large, small, and mixed fleet operations requiring multiple service categories. Formulated with high-quality base oils coupled with superior CK-4 additive technology, this robust product protects your engine from the click of the ignition.

IDO Premium Plus Synthetic Blend 10W-30 CK-4 is compatible with exhaust after-treatment devices, including Diesel Particulate Filters (DPF), Diesel Oxidation Catalysts (DOC), and Selective Catalytic Reduction (SCR) systems.

Sizes & order codes

Size	10W-30 CK-4 SB
5 L (1.32 US gal)	F0114330
18.9 L (5 US gal)	F0114340
60 L (15.85 US gal)	F0114345
205 L (54.2 US gal)	F0114350
1000 L (264 US gal)	F0114360
1000 L (264 US gal) Bulk Tote	F0114301
Bulk	B0114301

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 November 27, 2024.

www.irvingoil.com/lubricants 1.800.574.5823