



Premium+ Synthetic Blend

Heavy-Duty Diesel Engine Oil

Features & benefits

- Synthetic blend formulations
- 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	SB 10W-30	SB 15W-40
Allison TES-439	✓	✓
ACEA E7, E11	✓	✓
API CK-4, CJ-4, CI-4 PLUS*	•	•
CAT ECF-3	✓	✓
Cummins CES 20086	•	✓
Daimler Truck DTRF 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	•	✓

Sizes & order codes

Size	SB 10W-30	SB 15W-40
5 L (1.32 US gal)	F0114330	F0135930
18.9 L (5 US gal)	F0114340	F0135940
60 L (15.85 US gal)	F0114345	-
205 L (54.2 US gal)	F0114350	-
1000 L (264 US gal)	F0114360	F0135960
1000 L (264 US gal) Bulk Tote	F0114301	F0135901
Bulk	B0114301	B0135101

Premium+ Synthetic Blends deliver next-generation protection meeting API CK-4 specifications and EPA compliance standards for 2017-and-newer diesel engines. These engine oils are offered 10W-30 and 15W-40 SAE viscosities.

Premium+ Synthetic Blends utilize advanced synthetic blend base oils to improve fluidity at cold temperatures, protect critical components in elevated temperatures, and support better fuel economy. They offer superior lubrication stability across a wider temperature range compared to conventional engine oils.

Premium+ Synthetic Blends are compatible with exhaust after-treatment devices, including Diesel Particulate Filters (DPF), Diesel Oxidation Catalysts (DOC), and Selective Catalytic Reduction (SCR) systems.

Premium+ Synthetic Blends are fully backward serviceable to API CJ-4, CI-4 PLUS, and CH-4, making them ideal for large, small, and mixed fleet operations requiring multiple service categories. Formulated with superior CK-4 additive technology, these robust products protect your engine from the click of the ignition.



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 May 21, 2026.

www.irvingoil.com/lubricants 1.800.574.5823



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Typical Results

Test Method	SB 10W-30	SB 15W-40
VISCOSITY (D445) cSt @ 40°C cSt @ 100°C	82.4 12.0	115.3 14.9
VISCOSITY INDEX (D2270)	140	133
ASTM COLOUR (D1500)	4.0	4.0
POUR POINT (D5949), °C	-36	-32
FLASH POINT (D93), °C	200	200
TBN (D2896), mg KOH/g	10.0	10.0
COLD CRANKING VISCOSITY (D5293), cP	5,852 @ -25°C	5,500 @ -20°C
MRV VISCOSITY (D4684), cP	19,700 @ -30°C	18,900 @ -25°C
HTHS VISCOSITY (D4683), cP @ 150°C	3.5	4.1
NOACK VOLATILITY (D5800) 1 hr @ 250°C, %	10.0	10.4
SULFATED ASH (D874), %	0.9	1.0



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