



IDO Universal Synthetic

Full Synthetic Heavy-Duty Diesel Engine Oil

Features & benefits

- Full Synthetic
- Low ash formulation
- Expectational cold weather performance
- Reduce stress during start-ups
- Formulated using API CK-4 technology
- Compatible with low and ultra-low sulfur diesel (ULSD)
- Compatible with exhaust after-treatment devices

Typical Results

Test Method	0W-30	5W-40
VISCOSITY (D445) cSt @ 100°C cSt @ 40°C	9.99 54.2	14.30 87.8
VISCOSITY INDEX (D2270)	174	169
ASTM COLOUR (D1500)	4.0	4.0
POUR POINT (D97), °C	-55	-43
FLASH POINT (D93), °C	208	208
COLD CRANKING VISCOSITY (D5293), cP	3722 @ -35°C	5392 @ -30°C
TBN (D2896), mg KOH/g	9.7	9.7
MRV VISCOSITY (D4684), cP	13,800 @ -40°C	22,400 @ -35°C
HTHS VISCOSITY (D4683), cP @ 150°C	3.1	4.1
NOACK VOLATILITY (D5800) 1 hr @ 250°C, %	12.2	9.5
SULFATED ASH (D874), %	1.0 max	1.0 max

Sizes & order codes

Size	0W-30	5W-40
5 L (1.32 US gal)	-	F0009630
18.9 L (5 US gal)	F0080040	F0089740
205 L (54.2 US gal)	-	F0009650
1000 L (264 US gal)	-	F0009660
Bulk	B0065001	B0009601

IDO Universal Synthetic oils are blended from select synthetic base stocks with a naturally high viscosity index and a performance additive package based on API CK-4 technology.

IDO Universal Synthetic is a low-ash formulation designed with a robust additive package to ensure engine cleanliness, minimize ring-sticking, prevent sludge formation, and reduce bearing corrosion, liner-scuffing, and engine rusting. The formulation's anti-wear and antifoam additives reduce wear and protect against air entrapment.

IDO Universal Synthetic products protect severe-duty engines and have the added benefit of excellent cold start performance. In high-temperature operations, these oils offer the same protection as SAE 30 and 40 oils coupled with increased fuel economy.

IDO Universal Synthetic is compatible with exhaust after-treatment devices, including Diesel Particulate Filters (DPF), Diesel Oxidation Catalysts (DOC), and Selective Catalytic Reduction (SCR) systems.



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