



OUR BUSINESS IS HEAVY DUTY LUBRICANTS

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PRODUCT BULLETIN

PETROFLO 15w-40 CK-4 SYNTHETIC BLEND HEAVY DUTY MOTOR OIL

PETROFLO 15W-40 CK-4 Synthetic Blend HEAVY DUTY Diesel Engine Oil, is a premium quality, high performance, fleet engine oil designed for use in on-highway diesel trucks and off-highway diesel equipment, as well as in passenger cars and light trucks with either diesel or gasoline engines. It is recommended for use both in EGR-equipped diesel engines and in older, non-EGR diesel engines. It also will provide excellent protection for gasoline engines for use in mixed commercial fleets.

PETROFLO 15W-40 CK-4 Synthetic Blend HEAVY DUTY Diesel Engine Oil, is formulated with advanced additive technology to provide outstanding wear protection and bearing corrosion protection. High dispersancy-detergency and a high alkaline reserve (TBN) provide extra protection in extended drain or severe service intervals, and in EGR-equipped engines.

PETROFLO 15W-40 CK-4 Synthetic Blend HEAVY DUTY Diesel Engine Oil, meets or exceeds the requirements of:

- API Service CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4, CG-4, CF-4, CF, CF-2, SN, SL, SJ, SH, SG, SF
- US Military CID A-A-52306
- MIL-L-210E/F
- ACEA E5-02, JASO DHD-1, GLOBAL DHD-1
- Caterpillar ECF-3, ECF-2, ECF-1a
- Caterpillar drive trains 10-2
- Cummins CES 20081, CES 20081, CES 20078, CES 20077, CES 20076, CES 20071,
- Detroit Diesel DFS 93K222, Power Guard 93K2146
- Global DHD-1
- Mack EOS 4.5, EO-N Premium Plus 03, (EO-N PREMIUM PLUS), PREMIUM PLUS, EO-M Plus, EO-M, EO-L Plus, EO-L, EO-K/2
- GM 471 8M/6094M and Ford M2C153-E
- When Allison C-3/C-4 fluids are required
- MAN 271, 3275
- Mercedes-Benz Sheet 228.31
- MTU MTL 5044 Type 2.1
- Volvo VDS-4.5, VDS-3, VDS-2 and VDS engines
- Diesel engines manufactured by OEMs not listed above, including International (Navistar), John Deere, Hino, Komatsu, Kubota and others
- Renault VI RLD-4
- Ford WSS-M2C171-F1

Applications

- On-highway diesel trucks equipped with cooled-EGR, ACERT or other technologies to meet earlier exhaust emission standards
- Older diesel equipment with conventional, non-EGR engines
- Mixed fleets with both diesel and gasoline-fueled vehicles
- Off-highway construction, earth moving and mining equipment
- Farm equipment with diesel or gasoline engines

Features/Benefits

- Outstanding soot control for protection against abrasive wear and soot-induced oil thickening
- Excellent resistance to viscosity and thermal breakdown at high temperatures
- Protects against sludge and varnish formation
- Excellent wear protection
- High shear stability
- Excellent rust and bearing corrosion protection
- Good low-temperature pump ability
- Good resistance to foaming and aeration
- Extended drain capability for non-EGR diesel engines

Typical Properties

PETROFLO 15W-40 CK-4 Synthetic Blend HEAVY DUTY Diesel Engine Oil

Specific Gravity @ 60°F	0.88
Density, lbs/gal @ 60°F	7.33
Color, ASTM D1500	L 4.0
Flash Point (COC), °C (°F)	227 (440)
Pour Point, °C (°F)	-35 (-36)
Viscosity, Kinematic	
cSt @ 40°C	116
cSt @ 100°C	15.5
Viscosity Index	145
High-Temp/High-Shear Viscosity, cP @ 150°C	4.3
Sulfated Ash, ASTM D874, wt %	0.99
Total Base Number (TBN), ASTM D2896	10.0

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.