



# OUR BUSINESS IS HEAVY DUTY LUBRICANTS

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## PRODUCT BULLETIN

### **PETROFLO HEAVY DUTY 15W-40 CI-4 / SYNTHETIC BLEND MOTOR OIL**

**PETROFLO HEAVY DUTY 15W-40 Synthetic Blend 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 HEAVY DUTY 15W-40 Synthetic Blend 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.

#### *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

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

- API Service CI-4, CI-4 PLUS, CH-4, CG-4, CF-4, CF, SL
- ACEA E7-04, E5-02, E3-96
- Caterpillar ECF-2, ECF-1a
- Cummins CES 20078, CES 20077
- Detroit Diesel Power Guard 93K2146
- Global DHD-1
- Mack EO-N Premium Plus 03
- MAN 271, 3275
- Mercedes-Benz Sheet 228.3
- MTU MTL 5044 Type 2
- Volvo VDS-3
- Diesel engines manufactured by OEMs not listed above, including International (Navistar), John Deere, Hino, Komatsu, Kubota and others

### 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 pumpability
- Good resistance to foaming and aeration
- Extended drain capability for non-EGR diesel engines

### Typical Properties

#### **PETROFLO HEAVY DUTY 15W-40 Synthetic Blend Diesel Engine Oil**

Specific Gravity @ 60°F	0.88
Density, lbs/gal @ 60°F	7.34
Color, ASTM D1500	L 4.0
Flash Point (COC), °C (°F)	221 (430)
Pour Point, °C (°F)	-25 (-32)
Viscosity, Kinematic	
cSt @ 40°C	115
cSt @ 100°C	15.5
Viscosity Index	145
Cold Cranking Viscosity, cP @ -20°C	6,500
High-Temp/High-Shear Viscosity, cP @ 150°C	4.3
Sulfated Ash, ASTM D874, wt %	0.9
Total Base Number (TBN), ASTM D2896	10.0
Zinc, wt %	0.15

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.