



*The First in Synthetics*®

## Synthetic Blend 15W-40 Heavy Duty Motor Oil (PCO)

**Cost Effective, High Quality**  
**API CI-4+, CF, CF-2, SL**

### **PRODUCT DESCRIPTION**

AMSOIL Synthetic Blend 15W-40 Heavy Duty Motor Oil (PCO) features a dual-base of premium synthetic and hydro-processed base oils in formulation with proven high quality anti-wear additives. This multi-use oil is designed for both heavy-duty diesel engines (including modern EGR units) and gasoline engines, combining versatility and heavy-duty engine protection into one cost effective motor oil. It is formulated with high levels of dispersant and detergent additives that effectively control acids and soot thickening to prevent corrosion, wear and deposits. AMSOIL Synthetic Blend 15W-40 Heavy Duty Motor Oil is excellent for all-season use in on- or off-road applications.

### **Maximizes Fuel Economy, Minimizes Oil Consumption and Emissions**

The synthetic base oil component in AMSOIL PCO reduces oil volatility (burn-off). Less make-up oil is required to replace volatilized oil and less oil vapor gets into the exhaust stream. Oil viscosity increase is controlled, which minimizes drag for better efficiency.

### **Improved Extreme Temperature Performance**

Unlike other semi-synthetic oils, AMSOIL PCO contains a high content of quality synthetic oils for enhanced performance. Heat and oxidation resistance are improved for clean engine



operation and long lasting engine oil service life. Dependable cold-temperature flow is assured for easier start-up and improved post start-up protection.

### **Bid Appropriate**

AMSOIL Synthetic Blend 15W-40 fulfills the requirements of most public and private purchasing bids. It is API CI-4 Plus/SL, Detroit Diesel PowerGuard 93K214 and Mack EO-N Premium Plus '03 registered, making it ideal where these registrations are required.

- **Licensed specifications**
- **Versatile for mixed fleets**
- **Outstanding wear protection for heavy-duty trucks**
- **High TBN maximizes engine protection**



## TYPICAL TECHNICAL PROPERTIES

### AMSOIL Synthetic Blend 15W-40 Heavy Duty Motor Oil (PCO)

Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	15.6
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	114.9
Viscosity Index (ASTM D-2270)	144
CCS Viscosity @ -20°C, cP (ASTM D-5293)	4677
Pour Point °C (°F) (ASTM D-97)	-36 (-32)
Flash Point °C (°F) (ASTM D-92)	232 (450)
Four-Ball Wear Test (ASTM D-4172B: 40 kg, 75°C, 1200 rpm, 1 hr)	
Scar, mm	0.35
Noack Volatility, % weight loss (ASTM D-5800)	9.4
High Temperature/High Shear Viscosity (ASTM D-4683)	4.4
Total Base Number	12.1

### APPLICATIONS

AMSOIL Synthetic Blend 15W-40 Heavy Duty Motor Oil is recommended for diesel engines, gasoline engines and other applications that require any of the following world-wide specifications:

- API CI-4+, CF, CF-2, SL
- ACEA A3/B3, E2, E3, E5
- Global DHD-1
- JASO DH-1
- Mack EO-N Premium Plus '03
- DDC Power Guard 93K214
- Caterpillar ECF-1-a, ECF-2
- Cummins CES 20071, 20072, 20076, 20077, 20078
- Volvo VDS-2, VDS-3
- MB 228.1, 228.3, 229.1
- MAN 271/3275
- MTU Type 2

### MIXING AMSOIL

AMSOIL PCO is compatible with conventional and synthetic motor oils. Mixing AMSOIL motor oils with other oils, however, will shorten the oil life expectancy and reduce the performance benefits. AMSOIL does not support extended drain intervals where oils have been mixed.

Aftermarket oil additives are not recommended for use with AMSOIL motor oils.

### SERVICE LIFE

AMSOIL Synthetic Blend 15W-40 Heavy Duty Motor Oil is recommended for use according to the longest service interval established by the engine, vehicle or equipment manufacturer. Drain intervals may be extended based on oil analysis.

AMSOIL Ea™ full-flow and Donaldson Endurance™ oil filters are designed for extended drain intervals. They capture more wear-causing particles, have less restriction and last longer than regular filters. For best performance, use AMSOIL Ea full-flow or Donaldson Endurance oil filters.

### HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Material Safety Data Sheet (MSDS). An MSDS is available upon request at 715-392-7101 or via the Internet at [www.AMSOIL.com](http://www.AMSOIL.com). **Keep Out of Reach of Children.** Don't pollute. Return used oil to collection centers.

AMSOIL products and Dealership information are available from your local AMSOIL Dealer.

