



CountryMark®

Advantage™

LUBRICANTS

*Pour in the
Advantage...*

Heavy Duty
Diesel
Engine Oil

Optimal viscosity

Extended drain

Better soot control





...and pour on the miles.

CountryMark's Advantage™ Heavy Duty Diesel Engine Oil is uniquely formulated to meet or exceed specifications and provide the ultimate level of protection for current diesel engines with exhaust emission control systems, as well as older heavy duty diesel engines. This distinctive formulation is designed with advanced technology which extends oil drain intervals, improves soot control, provides faster lubrication during cold starts, and maximizes engine performance.

As a fleet owner, some concerns and challenges you face in lubrication are reducing engine wear, extending oil drain intervals, and maintaining good fuel economy. With CountryMark Advantage Heavy Duty Diesel Engine Oil, you will see: 1) excellent shear stability that provides high oil film strength for high temperature protection, 2) engine protection by staying in grade longer and allowing you to extend your performance miles, 3) exceptional soot dispersant, and 4) reduced wear on your cylinders, pistons, rings, and injectors, all resulting in maximum vehicle utilization and minimal downtime.

Diesel engine oils are compounded for use in all applications with diesel fuels ranging in sulfur content up to 500 ppm (0.05% by weight). However, use of these oils with greater than 15 ppm (0.0015%) sulfur fuel may impact exhaust after-treatment system durability and/or drain intervals. They are effective at sustaining emission control system durability where particulate filters and other advanced after-treatment systems are used. Optimum protection is provided for control of catalyst poisoning, particulate filter blocking, foaming, oxidative thickening and viscosity loss due to shear. When using diesel engine oils with higher than 15 ppm sulfur fuel, consult the engine manufacturer for service intervals.

Features and Benefits

Viscosity Stability: Formulated using a superior quality viscosity modifier. Furnishes excellent shear stability while providing outstanding cold flow properties and retention of viscosity at high temperatures.

Extended Drain: Capable of extending the drain intervals in all diesel engines - including those powered by low sulfur and ultra low sulfur diesel fuel.

Soot Control: Contains more soot control additives than normal CJ-4 oil, exceeding the minimum requirements of all new and older engines. Enhanced soot control reduces engine wear and extends engine life.

TBN Retention: Provides a high Total Base Number (TBN). Excellent TBN retention means it neutralizes more combustion contaminants such as acids.

Engine Cleanliness and Oil Consumption Control: Reduces deposits resulting in reduced oil consumption and longer engine, emission and diesel particulate filter (DPF) system life.

Applications

CountryMark Advantage Heavy Duty Diesel Engine Oil covers a wide variety of applications in commercial, agricultural, and industrial uses. It is formulated to meet or exceed a variety of specifications and requirements by engine manufacturers, including:

- API CJ-4, CI-4 Plus; CI-4, CH-4, CG-4 and CF/SM
- ACEA E7-04
- ALLISON: C-3 & C-4
- CATERPILLAR ECF-3, ECF-1
- CUMMINS CES 20081
- DETROIT DIESEL 93K218, 93K215
- MACK EO-O PREMIUM PLUS '07
- MACK EO-N PREMIUM PLUS '03
- JASO DH-2; GLOBAL DHD-1
- MERCEDES BENZ p228.3
- VOLVO VDS-4, VDS-3; RENAULT RLD-3

Properties	Test	Advantage SAE 15W-40
Viscosity @100°C	D445	15.6
Viscosity Index	D2770	132
CCS Viscosity	D5293	
@-25°C (cP max.)		NA
@-20°C (cP max.)		7000
Pour Point °C	D97	-40
TBN	D2896	10.5
Sulfated Ash Mass%	D874	0.99

Contact

For additional information, call CountryMark Technical Support at 1-800-537-5303 and visit us online at www.countrymark.com.

Packaging

Available in quarts, gallons, 2.5 gallons, pails, drums, totes & bulk.

Get more per gallon.™



CountryMark.®