



CountryMark®

Advantage™

LUBRICANTS

Refining technology with expertise.™

Product Data Sheet

Heavy Duty Diesel Engine Oil

Description

CountryMark Advantage™ Heavy Duty Diesel Engine Oil is engineered for hard-working diesel engines. CountryMark Advantage™ Heavy Duty Diesel Engine Oil, in a CK-4 formulation, offers better performance than API CJ-4 lubricants; and it is formulated to meet the latest government regulations including improved fuel efficiency performance plus enhanced protection against viscosity loss due to shear and improved oil aeration. This unique formulation offers outstanding wear protection, oil consumption control and extended-drain technology. **Available in SAE 15W40.**

CountryMark Advantage™ Heavy Duty Diesel Engine Oil is suitable for a wide range of heavy duty engine applications from many of the world's leading engine makers, it is an excellent choice for on-highway fleets, general haul, construction, agriculture, public-transport operators and diesel pick-up trucks, including high-power vehicles where resistance to increased heat and stress is required.

Suitable for use in older and newer engines, CountryMark Heavy Duty Diesel Engine Oil is backwards compatible.

Features and Benefits

Exceptional Wear Protection: Minimizes soot-related abrasive wear and offers outstanding cylinder, bearing and ring wear results. Enhanced soot control reduces engine wear and extends engine life.

Enhanced Performance and Extended Drain: Designed with advanced technology which extends oil drain intervals, improves soot control, provides faster lubrication during cold starts, and maximizes engine performance. Longer drain intervals help lower overall operating costs.

Exceptional Properties: Improved oxidation protection and aeration control. Outstanding cross-head and injector screw weight loss and exceptional bore polish and cylinder wear results.

Applications

CountryMark's Advantage™ Heavy Duty Diesel Engine Oil is formulated to meet or exceed a variety of specifications and requirements by engine manufacturers, including:

- API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4
- API SN, SM
- CATERPILLAR ECF-3, ECF-2
- CUMMINS CES 20086, CES 20081
- CATERPILLAR ECF-3, ECF-2
- DETROIT DIESEL DFS 9SK222 DFS 93K218
- FORD WSS-M2C171-F1
- MACK EOS-4.5, EO-O Premium Plus, EO-N
- VOLVO VDS-4.5, VDS-4, VDS-3
- ACEA E-9-2012, E7
- DAIMLER MB 228.31
- MAN M3575
- MTU Category 2.1
- RENAULT RLD-4, RLD-3

Typical Properties

		DEO Conventional
	TEST	Advantage SAE 15W-40
Viscosity @100°C cSt	D445	15.4
Viscosity @ 40°C cSt	D445	116.4
Viscosity Index	D2770	139
API Gravity at 60°F	D1250	30
Pour Point °C	D5950	-30
Color ASTM	D1500	4
CCS @-20°C cP	D5293	6290
CCS @-25°C cP	D5293	NA
CCS @-30°C cP	D5293	NA
Flash Point COC, °C	D92	222
TBN	D2896	10.5
Sulfated Ash, %w	D874	0.93
Noack volatility, %w	D5800	12.0
HTHS @150°C, mPa's	D4683	4.1

Safety and Health

A safety data sheet is available upon request. Avoid prolonged or repeated skin contact. Wash clothing and exposed areas with soap and water.

CountryMark Advantage™ Lubricants

For additional information, contact us at 1-800-537-5303

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