



CountryMark®

Advantage™

LUBRICANTS

Refining technology with expertise.™

Product Data Sheet

Full Synthetic Heavy Duty Diesel Engine Oil

Description

CountryMark Advantage™ Full Synthetic Heavy Duty Diesel Engine Oil is engineered for hard-working diesel engines. This unique formulation offers outstanding wear protection, oil consumption control and extended-drain technology. **Available in SAE 5W40.**

With its superior additive technology, CountryMark Advantage™ Full Synthetic Heavy Duty Diesel Engine Oil has the highest level of ash less dispersant that keeps the soot in suspension and helps to avoid abrasive wear, filter plugging, cylinder head sludge, viscosity increases and oil gelation.

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

Features and Benefits

Extended Drain: Designed with advanced technology which extends oil drain intervals, improves soot control, provides faster lubrication during cold starts and maximizes total engine performance.

Improved Fuel Economy: Delivers greater than 2 percent fuel economy over conventional oils under all driving conditions, helping to lower overall fuel costs.

Additive Technology: Delivers exceptional low-temperature flow properties, oxidation stability, viscosity retention and deposit control helping to enhance engine protection. Superior additive technology also provides added varnish and sludge protection to keep engines clean by minimizing deposit formation and significantly better soot handling capability than other oils.

Applications

CountryMark's Advantage™ Full Synthetic 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

		Full Synthetic DEO
	TEST	Advantage SAE 5W-40
Viscosity @100°C cSt	D445	14.2
Viscosity @ 40°C cSt	D445	86.17
Viscosity Index	D2770	171
API Gravity at 60°F	D1250	34.6
Pour Point °C	D5950	-48
Color ASTM	D1500	4.5
CCS @-20°C cP	D5293	NA
CCS @-25°C cP	D5293	NA
CCS @-30°C cP	D5293	6100
Flash Point COC, °C	D92	205
TBN	D2896	11
Sulfated Ash, %w	D874	0.9
Noack volatility, %w	D5800	12.2
HTHS @150°C, mPa's	D4683	3.9

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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