



CountryMark®

Advantage™

LUBRICANTS

Refining technology with expertise.™

Product Data Sheet

Synthetic Blend Heavy Duty Diesel Engine Oil

Description

CountryMark Advantage™ Synthetic Blend Heavy Duty Diesel Engine Oil is engineered for hard-working diesel engines. Driven by new technology and verified, stringent testing, CountryMark Advantage™ Synthetic Blend Heavy Duty Diesel Engine Oil offers better performance than API CJ-4 lubricants and it is formulated to help meet latest government regulations requiring improved fuel efficiency performance plus it provides 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 10W30.**

CountryMark Advantage™ Synthetic Blend 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 Synthetic Blend Heavy Duty Diesel Engine Oil is backwards compatible. Also approved for use in low-emission certified diesel engines equipped with EGR, older non-EGR containing diesel engines and off-road diesel engines.

Features and Benefits

Strong Oxidation and Thermal Stability: Designed with advantaged technology including improved oxidation and thermal capacity. CountryMark Advantage™ Synthetic Blend Heavy Duty Diesel Engine Oil is a more robust oil that will resist breaking down in higher operating temperatures, allowing equipment to operate more effectively.

Superior Soot Performance: Blended with a proven detergency and dispersant package, CountryMark Advantage™ Synthetic Blend Heavy Duty Diesel Engine Oil shields the engine from low temperature sludge build-up and high temperature deposits.

Exceptional Cold Weather Start-up: CountryMark Advantage™ Synthetic Blend Heavy Duty Diesel Engine Oil provides maximum cold weather start-up protection in temperatures as low as -40°F.

Applications

CountryMark's Advantage™ Synthetic Blend 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
- 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

	TEST	Advantage SAE 10W-30
		Traditional
Viscosity @100°C cSt	D445	12.2
Viscosity @ 40°C cSt	D445	80.7
Viscosity Index	D2770	147
API Gravity at 60°F	D1250	31.7
Pour Point °C	D5950	-40
Color ASTM	D1500	3.5
CCS @-20°C cP	D5293	NA
CCS @-25°C cP	D5293	5800
CCS @-30°C cP	D5293	NA
Flash Point COC, °C	D92	232
TBN	D2896	10
Sulfated Ash, %w	D874	0.9
HTHS @150°C, mPa's	D4683	3.5

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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