



Technical Data Sheet

Updated: 4/17/2019

HOT SHOT'S SECRET 10W-30 GREEN DIAMOND FLEET SYNTHETIC Engine Oil

Product Overview 10W-30 Green Diamond Fleet is a 100% full synthetic oil using only Group III base oils. The infusion of our patented FR3 Nano Technology and CK-4 additive package provides unsurpassed levels of longevity and performance, while keeping the oil cleaner longer and providing better mileage and horsepower. 10W-30 Green Diamond Fleet was formulated to meet a wide range of service.

10W-30 Green Diamond Fleet is fully formulated CK-4 motor oil with high detergency plus exceptional oxidation and thermal stability, preventing deposits and oil breakdown and making longer drain intervals possible. In addition to exceeding the API CK-4 specification, the 10W-30 Green Diamond Fleet meets the requirements from Ford for added wear protection as stated in Ford Specification WSS-M2C171-F1. Not all CK-4 specification oils meet both the CK-4 and the Ford specification.

Applications and Uses 10W-30 Green Diamond Fleet is recommended for heavy-duty trucks, agriculture, construction and industrial equipment, drilling rigs, stationary engines, turbo charged and racing engines. The CK-4 specification is backwards compatible with CF-4, CJ-4, CI-4 and CI-4 Plus specification oils.

Green Diamond is formulated for extreme cold temperature as well as extreme high temperature service and its 10W viscosity at low temperatures allows it to replace conventional 10W-30 oils in diesel engines.

OEM Performance Caterpillar ECF-1-a, ECF-2 and ECF-3
Detroit Diesel DDC93K218, DDC93K215, DDC93K214 & DFS 93K222
Cummins CES 20081, CES 20086
Mack EO-O, EOS-4.5
Deutz DQC III-10 LA
API CK-4, CJ-4, CI-4 Plus, CF
Ford WSS-M2C171-F1
Volvo VDS-4, VDS-4.5, VDS-3
ACEA E7, E9
MB 228.31
MAN 3575
JASO DH-2
MTU Type2.1, Type I & II
Renault RLD-3, RLD-4



Benefits

- Improves Cold Weather Starting compared to Conventional Oils
- Improves Fuel Economy up to 3%
- Lowers Oil Consumption 78% over CJ-4 Spec Oils
- 71% Less Wear Compared to CJ-4 Spec Oils
- Improves Power
- Increases Film Strength
- Improved Oxidation Stability
- Improved Aeration Control
- Handles Soot 46% better than CJ-4
- Widens Operating Temperature Range
- Anti-Rust Protection
- Reduces DPF Plugging
- Reduces Shearing
- Reduces Friction
- Reduces Deposit Formation
- Reduces Noise and Vibration
- Extends Oil Change Interval
- Extends Injector, Turbo and Engine Life

10W-30 Green Diamond Fleet can be run up to 2 times longer than the manufacturer's recommended specifications with less wear and higher fuel mileage than other oils. An oil analysis should be performed every 5,000 miles to ensure your oil is in spec. Your oil filter should be changed at the manufacturer's recommended interval even if your oil is in spec.

Packaging

Available in:

- 1 quart bottle
- 1 gallon jug
- 5 gallon bucket
- 55 gallon drum
- 275 gallon tote

Typical Properties

Property	Test Method	Result
Total Base Number, mg/g	D-2896	9.5
Sulfated ash, %	D-874	1.0
Cold Crank Simulator, cP	D-5293	5650 (-25)
Viscosity at 40°C, cSt	D-445	79.4
Viscosity at 100°C, cSt	D-445	11.9
Viscosity Index	D-2270	145
Four-Ball Wear Test Scar, mm	D4172	0.46
Noack, wt loss %	D-5800	4.7%
HTHS (cP)	D-5481	3.6
Flash Point, °C (°F) (COC)	D-92	228°C (442°F)
Fire Point, °C (°F)	D-92	250°C (482°F)



Pour Point, °C (°F)	D-97	-38°C (-36°F)
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CHEMICAL PROPERTIES		
Calcium		.2400%
Phosphorus		.1000%
Zinc		.1100%

The Safety Data Sheet is available at
<http://www.hotshotsecret.com/print-documents/>



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