Mobil Diesel Efficient™

Mobil Diesel Efficient Fuel Product Data Sheet

Product Description

Mobil Diesel Efficient fuel helps improve fuel system performance in both on- and off-highway applications. The advanced fuel has been engineered to improve diesel fuel economy and boost engine performance, and has been tested in multiple real-world applications.

Features and Benefits

Mobil Diesel Efficient fuel contains a patented additive technology that is specially designed to clean up both internal injector deposits and nozzle coking deposits. Today's diesel engines have sophisticated fuel systems engineered to meet stringent emissions requirements. Deposits that form inside the fuel injectors can impede the movement of the needle, and cause early failure of the injectors. Deposits building up inside the injector nozzle can restrict fuel flow, deteriorate the fuel spray quality and result in loss of engine power, increased emissions and reduced fuel economy. Mobil Diesel Efficient fuel helps to prevent deposit formation and clean up existing deposits that may be damaging your engine performance. Further, Mobil Diesel Efficient fuel offers fuel system corrosion protection. Mobil Diesel Efficient fuel can also help to prevent premature fuel filter plugging. During winter months in cold regions, Mobil Diesel Efficient fuel is supplied with additive to help improve low temperature operability.

Features (1)	Advantages and Benefits
Improved injector cleanliness	Enhanced fuel system performance, improved engine power and responsiveness, and helps prevent premature injector failure
Improved fuel economy	Lower fuel costs and reduced greenhouse gas (CO_2) emissions
"Keep clean" performance	Helps prevent the accumulation of internal and external injector deposits, which assists in maintaining fuel system performance
Corrosion protection	Reduced rusting of critical fuel system components
Improved fuel filterability	Reduces filter plugging risk from possible impurities in the fuel, especially related to biodiesel components
Improved low temperature operability (2)	Helps reduce filter blocking associated with wax and gelling at cold temperatures

(1) Applies to Mobil Diesel Efficient diesel fuel compared to diesel fuel without detergent additive. Vehicle testing showed an average fuel economy improvement of 2%. Actual benefits based on continuous use and will vary depending on factors such as vehicle type, driving style and diesel fuel previously used.
(2) Applicable when cold flow improver additive is present in fuel.

Applications

Mobil Diesel Efficient fuel is designed to provide benefits in all types of applications with light, medium and heavy duty diesel engines from different manufactures, including but not necessarily limited to light duty passenger cars, on-highway heavy duty trucks and off-road construction/mining equipment.

Mobil Diesel Efficient fuel with ultra-low sulfur level is compatible with today's advanced emission after treatment systems including Diesel Oxidation Catalyst (DOC), Diesel Particulate Filter (DPF), Exhaust Gas Recirculation (EGR), Selective Catalytic Reduction (SCR) and Lean NOx Trap (LNT) technologies.

Specifications

Mobil Diesel Efficient fuel meets the requirements of: ASTM D975 (B0-B5) or D7467 (B11-B20)

Mobil Diesel Efficient Fuel Typical Properties (1)

Property	Units	Typical	Typical B6-B20 D7467	Test Method
Distillation Temperature, % vol. recovered, min-max	°F 90%	540-640	650 max	D86
Kinematic Viscosity, 40 °C, min-max	cSt	1.9 - 4.1	1.9 - 4.1	D445
Flash Point, minimum	°F	125	125	D93
Cetane Number, minimum		40	40	D613
Cloud Point	°F	Meets Specification	Meets Specification	D2500
Carbon Residue on 10% Distillation Residue, maximum	%mass	0.35	0.35	D524
Copper Corrosion, 3 hr @122 °F, maximum	Rating	No. 3	No. 3	D130
Lubricity @ 140 °F, maximum	Microns	520	520	D6079
Sulfur, maximum	ppm (µg/g)	15	15	D5453
Water and Sediment, maximum	%volume	0.05	0.05	D2709
Ash, maximum	%mass	0.01	0.01	D482
Oxidation Stability, minimum	Hours	-	6	EN15751

(1) Conforms to ASTM D975 (B0-B5) or D7467 (B6-B20) specifications for No. 2 diesel fuel oils. The biodiesel component of the blend conforms to the requirements of specification ASTM D6751.

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit exxonmobil.com/en/wholesale-fuels/customer-type/fuel-suppliers-and-resellers/mobil-diesel-efficient

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