



Diesel Ultra

Complete Diesel Fuel Treatment, Cetane Booster, and Fuel-System Cleaner

Rev: 2026-05-15

DESCRIPTION

TRIAX Diesel Ultra is a complete-performance diesel fuel treatment engineered for use in every fuel tank fill-up across passenger cars, vans, light trucks, heavy-duty trucks, and agricultural equipment running on Ultra-Low Sulfur Diesel (ULSD), mineral diesel, or biodiesel blends. The formulation leverages latest-generation detergent and lubricity chemistry combined with a cetane improver to deliver injector cleaning and protection, restored fuel-pump and injector lubrication lost with ULSD, and a +4 point cetane number boost for improved combustion. Designed for modern high-pressure common-rail (HPCR) diesel systems including TDI, TDCI, and CDI engines — including those equipped with diesel particulate filters (DPF) — the advanced additive system handles internal diesel injector deposits (IDID) and external injector fouling, prevents injector seizing and pump wear, and improves cold-weather operability by lowering the cold filter plugging point (CFPP) by up to 30 °F.

PERFORMANCE HIGHLIGHTS

- Recommended for continuous use at every fill-up — one bottle treats 25 gallons (95 liters) of diesel fuel
- **+4 point cetane boost** for **10–15% additional torque** and **1.5–2% improved fuel economy** through more complete combustion in most diesel vehicles
- **Lowers Cold Filter Plugging Point (CFPP) by up to 30 °F** in winter diesel fuel; product flows to -42 °C (-43 °F) for reliable cold-weather diesel operation
- **Removes and prevents IDID** (internal diesel injector deposits) plus external injector fouling in modern common-rail diesel engines; restores power lost to combustion-chamber residue
- **Excellent detergency** verified against DW10 injector spray-hole deposits and XUD9 nozzle-fouling tests — the industry-standard diesel cleanliness benchmarks
- **HFRR wear scar < 430 µm** (ASTM D6079) — beats EN 590 and EMA lubricity targets (460 µm); protects HPCR injection pumps against ULSD-related wear and CP4-style lubricity failures
- **Prevents injector and fuel-system issues** — eliminates injector seizing, sticky fuel valves, and blocked injector tips that cause hard starts and reduced power
- **DPF and aftertreatment compatible** — 100% combustion leaves no residue; significantly reduces visible smoke and emissions; safe for TDI, TDCI, and CDI engines with DPF

Treat rate: one bottle treats 25 gallons (95 liters) of diesel fuel. For best results, add to fuel tank prior to filling. Performance results vary by engine condition, base fuel quality, and operating environment. Compatible with all modern diesel engines including those equipped with DPF, SCR, and DOC aftertreatment systems.

SPECIFICATIONS & APPLICATIONS

TRIAX Diesel Ultra is purpose-built for use in all diesel-powered passenger cars, vans, SUVs, light trucks, heavy-duty trucks, and agricultural equipment burning Ultra-Low Sulfur Diesel (ULSD), conventional mineral diesel, or biodiesel blends. Recommended for high-performance European TDI, TDCI, and CDI diesel engines including those equipped with diesel particulate filters (DPF).

Meets or exceeds the following industry standards and applications:

- EMA (Engine Manufacturers Association) requirements for diesel fuel additives
- TMC (The Maintenance Council, ATA) fuel treatment specifications
- NCWM (National Conference on Weights and Measures) fuel additive standards
- L-10 diesel engine cleanliness test
- XUD9 injector fouling test (CEC F-23-A-01)
- DW10 injector spray-hole deposit test (CEC F-98-08)
- Compatible with Ultra-Low Sulfur Diesel (ULSD ≤ 15 ppm sulfur)
- Compatible with mineral diesel and biodiesel blends (B0 through B20)
- Safe for use in diesel particulate filter (DPF) equipped engines
- Safe for use in SCR (selective catalytic reduction) and DOC systems

TYPICAL PROPERTIES

Parameter (Test Method)	Typical Value
Viscosity, Kinematic @ 40 °C, cSt (ASTM D445)	16
Viscosity Index (ASTM D2270)	131
Flash Point, °C (°F) (ASTM D92)	66 (151)
Pour Point, °C (°F) (ASTM D97)	-42 (-43)
API Gravity (ASTM D4052)	24.80

These are typical values. There may be small differences in actual values which are a normal part of production and do not affect product performance.