



Synthetic Fuel Additive for Diesel and Biodiesel Blends

TPx HD is a synthetic, diesel fuel additive blend formulated with oxygenating and detergent chemicals. It is a multi-use tool used to improve the way fuel burns, and reduce fuel consumption by 3%–8%.

TPx HD:

- 100% safe synthetic formula
- Integrates oxygen into fuel
- Gradually cleans fuel system
- Disperses suspended water in fuel
- Stabilizes fuel
- Adds lubricity to fuel
- Raises the cetane number
- Lowers pour and cloud points
- Reduces toxic emissions and particulate matter
- Protects exhaust after-treatment systems including SCR, DPF or scrubbers

Availability:

Case of twelve 1/2 quart bottles (1.5 gallons)

Case of twelve 1 quart bottles (3 gallons)

Case of four 1 gallon bottles (4 gallons)

Case of two 2.5 gallon bottles (5 gallons)

55 gallon drum

275 gallon tote

330 gallon tote

100% Active
100% Biodegradable

TPx HD protects against mechanical failures caused by fuel system deposits.

When TPx HD is first added to diesel, it chemically cleans the fuel and fuel system components by dispersing water and solubilizing gums and sludge. TPx HD breaks the surface tension of the suspended water droplets by neutralizing the ionic charges that bind water molecules together. When TPx HD decreases the surface tension of suspended water; the molecules are evenly dispersed throughout the fuel and become chemically undetectable. In doing so, TPx HD prevents microbial growth which frequently causes failure of fuel pumps, oxidation, blockages, gum deposits, and injector failure. This preventative maintenance reduces engine wear and tear.

Lower fuel costs. TPx HD integrates liquid molecular oxygen into the diesel to facilitate clean and complete combustion achieving a 3%–8% increase in efficiency.

Clean Burn. The combination of a clean engine utilizing oxygenated fuel greatly reduces the carbon footprint. TPx HD reduces all exhaust gases including PM, CO, NOx, and SOx.

Average Emission Reduction:

PM (Hydrocarbons)	40%–90%
NOx	10%–20%
CO	20%–55%

Physical Properties:

Appearance	Orange
Density at 20 °C	0.91
Flash point	65 °C (149 °F)
Freezing point	-75 °C (-103 °F)
Viscosity	2.9 cP at 25 °C
BTU:	15,600 BTU/lb

Treatment:

Suggested dosage ratio of TPx HD is:

Maximum: One gallon of additive for 1,000 gallons of fuel.

Minimum: One gallon of additive for 2,000 gallons of fuel.

(1:1000 to 1:2000)

Increased benefits are achieved with stronger concentrations—helpful in high altitude, underground, emission sensitive operations, or when treating very dirty fuel.

Safety:

Always read Material Safety Data Sheet before handling.

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SYNTHETIC FUEL ADDITIVES