

Pinnacle™ FBC

PREMIUM YEAR 'ROUND DIESEL FUEL TREATMENT WITH FUEL-BORNE CATALYST

Pinnacle™ FBC (Fuel-Borne Catalyst) provides a new and unique group of features and benefits in addition to those found in the original Pinnacle™ product.

Pinnacle™ FBC Diesel Fuel Treatment

- Fuel-Borne Catalyst (FBC) provides a unique group of features and benefits in addition to those found the original Pinnacle™:
 - Pinnacle™ FBC's catalyst lowers the temperature at which carbon (fuel) begins to combust (burn). This provides a longer time for the fuel to burn during the combustion cycle and converts more of the fuel's energy into useful power. It also provides a much more complete combustion, reducing particulate (soot) and other emissions.
 - The catalyst also lowers the temperature at which hard carbon (fuel deposits) begin to burn, allowing the deposits to burn at normal combustion temperatures found in the engine combustion chamber and in the catalytic Diesel Particulate Filter (DPF). This allows your engine and emissions system to self-clean during normal operation. This self-cleaning reduces emissions, lowers fuel consumption, improves operating costs and reduces maintenance required.
- improves atomization of fuel, providing better, more complete combustion, better fuel economy and lower emissions
- reduces diesel particulate (soot) formation by up to 80%, significantly cutting the number of DPF regeneration cycles, saving fuel and extending the life of emission control devices and components
- removes or disperses approximately 25% of its own volume of free or dissolved water (H₂O)
- raises cetane rating up to 4-6 points
- eliminates gums, varnishes, and carbon deposits in the fuel system; these affect emissions, fuel economy and the horsepower of the engine
- uses two state-of-the-art diesel fuel injector cleaning packages, providing unrivaled injector, fuel system, and combustion chamber cleaning
- contains powerful rust and corrosion inhibitors
- has strong antioxidant properties to improve both oxidative and thermal stability to greatly extend the storage life of the fuel
- provides a custom-engineered, dual technology cold weather package (antigel) – one for petroleum diesel and a second for biodiesel, as well as a powerful anti-icing agent that prevents ice from forming in the fuel lines and filters:
 - a WASA (Wax Anti-Settling Agent) to control waxing and to prevent wax dropout in extreme cold weather
 - antigel or cold flow improver package that will lower the gel point (Cold Filter Plug Point) of diesel fuel up to -25°F to -35°F
- is formulated with HPB™ - a proprietary water dispersion and surface tension reduction technology that works to prevent bacterial or fungal growth in fuels
- uses a pure synthetic lubricity agent that will bring the lubricity of ULSD fuel to meet or exceed OEM requirements



*When your diesel needs to go,
your diesel needs Pinnacle™ FBC
– with all the benefits of
Pinnacle™ plus the latest in
fuel-borne catalyst chemistry.*

All the Features of Pinnacle™

- ✓ IMPROVES FUEL ATOMIZATION FOR MORE POWER, GREATER EFFICIENCY, AND REDUCED EMISSIONS
- ✓ LOWERS COLD FILTER PLUG POINT (CFPP) AND POUR POINT (PP) OF DIESEL FUELS UP TO -25°F TO -35°F
- ✓ CHEMICALLY ELIMINATES WATER TO PREVENT FUEL LINE AND FILTER ICING
- ✓ ORGANIC-BASED SURFACTANT FORMULA REDUCES OXIDATION TO STABILIZE FUEL AND IMPROVE THERMAL STABILITY
- ✓ CLEANS FUEL INJECTORS AND PUMPS – BOTH EXTERNAL CARBON DEPOSITS AND INTERNAL DIESEL INJECTOR DEPOSITS (IDID)
- ✓ IMPROVES CETANE RATING UP TO 4-6 POINTS
- ✓ INHIBITS CORROSION
- ✓ PROVIDES A PURE SYNTHETIC LUBRICITY AGENT TO BRING ULSD TO A LEVEL BETTER THAN SUGGESTED BY THE EMA - ENGINE MANUFACTURERS ASSOCIATION (ENGINE OEMs)
- ✓ CONTAINS NO HARMFUL ALCOHOLS THAT CAN DAMAGE GASKETS AND SEALS
- ✓ CAN BE SAFELY AND EFFECTIVELY USED IN ALL DIESEL AND BIODIESEL BLENDS UP TO B25

Plus...

- Nanoparticle Fuel-Borne Catalyst:*
- ✓ REDUCES PARTICULATE (SOOT) PRODUCTION
 - ✓ REDUCES CO (CARBON MONOXIDE) EMISSIONS
 - ✓ CLEANS PRE-EXISTING COMBUSTION CHAMBER AND EXHAUST VALVE DEPOSITS
 - ✓ REDUCES UNBURNED HYDROCARBONS
 - ✓ REDUCES PARTICULATE LOAD AND INCREASES EFFICIENCY OF CATALYTIC DPFs
 - ✓ REDUCES THE CONSUMPTION OF DEF
 - ✓ IMPROVES COMBUSTION, REDUCING FUEL USAGE
 - ✓ WORKS WITH ALL GRADES OF DIESEL & BIODIESEL
 - ✓ IS SAFE TO USE WITH ALL DPF AND CATALYTIC TRAPS
 - ✓ IS STABLE UNDER A WIDE RANGE OF TEMPERATURES AND CONDITIONS

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PREMIUM YEAR 'ROUND DIESEL FUEL TREATMENT WITH FUEL-BORNE CATALYST

DIRECTIONS

- For best results, use every time you fuel, adding contents to fuel tank(s) prior to fueling. This will aid the mixing of the additive with the fuel.
- Use one gallon for each 1,000 gallons of fuel (1:1,000 treatment ratio). 32 ounces treats 250 gallons. One ounce treats 7.8 gallons of diesel fuel.
- First-time users can use 32 ounces for each 125 gallons to speed the cleaning process.
- For very cold weather, to further lower the gel point, you can treat at 32 ounces for each 125 gallons (1:500 treatment ratio).
- Pinnacle™ FBC will eliminate approximately 25% of its own volume of water.



PRODUCT STABILITY, STORAGE & HANDLING

STABILITY - PROPERTIES

Appearance: Amber to dark brown
 Density: 928 (+/- 20) kg/m³ at 60°F/15.5°C
 Stability: -10°F/-23°C up to +176°F/80°C
 Flash Point: 124°F/51°C

STORAGE

- This product should be stored above 40°F/4.4°C. If product is subjected to temperatures below 40°F/4.4°C, allow to warm to 60°F/15.5°C before using.
- Keep product container tightly closed.
- Product container should be stored in a well-ventilated location.
- Stability, when stored as described in an unopened container, is 36+ months.

HANDLING

This product should be handled in the same manner and with the same precautions as diesel fuel.

For more information, please consult the Safety Data Sheet (SDS) for this product.

All used and unused product and its containers should be disposed of in accordance with all local, state, and federal regulations.

KEEP THIS PRODUCT OUT OF REACH OF CHILDREN.

Pinnacle™ FBC Diesel Fuel Treatment PACKAGING

PACKAGE SIZE	TREATS	QUANTITY/CASE	PART NO.
12 oz. Bottle	94 US Gallons	12 per case	01101-F012
32 oz. Bottle	250 US Gallons	6 per case	01101-F032
1 US Gallon	1,000 US Gallons	4 per case	01101-G001
2.5 US Gallons	2,500 US Gallons	2 per case	01101-G2.5
55 US Gallons	55,000 US Gallons	1 ea.	01101-G055
270 US Gallons	270,000 US Gallons	1 ea.	01101-G270
320 US Gallons	320,000 US Gallons	1 ea.	01101-G320

Notice to Purchaser:

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