Diesel Additives

AMSOIL DIESEL CETANE BOOST FUEL ADDITIVE

Product Code: ACBCN-EA

Product Description

AMSOIL Diesel Cetane Boost raises the cetane number of diesel fuel up to eight points, delivering more complete combustion for maximum horsepower, better fuel economy, and smoother operation in any diesel engine.

Most diesel fuel sold in North America has a cetane value between 40 and 45. Diesel engines perform best on fuel with cetane values of 50 or higher. That gap between what you're pumping and what your engine actually needs shows up as rough idle, hard starts in cold weather, sluggish throttle response, and higher exhaust emissions. Pump fuel alone often leaves performance on the table, especially in newer high-pressure common-rail engines found in the Ram Cummins, Duramax, and Power Stroke platforms.

INCREASES CETANE UP TO 8 POINTS

Cetane number is to diesel what octane is to gasoline. It measures ignition quality. Higher cetane means shorter ignition delay, which translates to a more complete burn in the combustion chamber. AMSOIL Diesel Cetane Boost uses a concentrated formula with unique chemistry to raise cetane up to eight points, pushing typical 40-45 cetane pump fuel into the 48-53 range where diesel engines run the way they were designed to. One ounce treats up to 10 gallons of fuel for an 8-point increase, or the same ounce treats up to 10 gallons for a 4-point bump at half the dose.

DELIVERS MAXIMUM HORSEPOWER AND IMPROVED FUEL ECONOMY

When diesel fuel ignites more quickly and burns more completely, more of the energy in every drop goes to turning the crankshaft instead of blowing out the tailpipe as unburned hydrocarbons. This improved combustion efficiency means more usable power under load and better fuel economy over the course of a tank. Whether you're pulling a fifth wheel with a Ram 3500 Cummins or running a Sprinter van on daily routes, the difference is measurable at the fuel pump and noticeable behind the wheel.

IMPROVES COLD STARTS AND SMOOTHS IDLE

Diesel engines are compression-ignition by nature, and cold weather makes ignition harder. Low-cetane fuel compounds the problem, leading to extended cranking, white smoke on startup, and rough, uneven idle as the engine struggles to fire consistently across all cylinders. By improving the ignition quality of the fuel itself, Diesel Cetane Boost reduces ignition delay in cold conditions, helping engines like the 6.6L Duramax, 6.7L Cummins, and 6.7L Power Stroke light off cleanly and settle into a smooth idle faster.

REDUCES SMOKE AND EMISSIONS

Incomplete combustion produces visible smoke and elevated particulate emissions. More complete fuel burn means less soot loading on diesel particulate filters (DPFs), which can reduce the frequency of DPF regeneration cycles. Less soot generation also means less contamination of your engine oil, which contributes to longer oil life and reduced wear. The formula is compatible with all exhaust emission systems, including DPFs and selective catalytic reduction (SCR) systems.

SAFE FOR ALL DIESEL FUELS AND APPLICATIONS

AMSOIL Diesel Cetane Boost is alcohol-free and safe for use in all diesel fuels, including ultra-low-sulfur diesel (ULSD) and biodiesel blends. It is recommended for all types of heavy-duty and light-duty, on-road and off-road, and marine diesel engines. It works well alongside AMSOIL Diesel Injector Clean and AMSOIL Diesel Cold Flow for a comprehensive fuel treatment approach. Add before filling the tank for best results.

DOSAGE GUIDE

For a 4-point cetane increase, use 1 oz. per 10 gallons of fuel. For a full 8-point cetane increase, use 2 oz. per 10 gallons. Best performance is achieved when used with every tank of fuel.

Technical Specifications

Fuel Volume	4-Point Increase	8-Point Increase
5 gal.	--	1 oz.
10 gal.	1 oz.	2 oz.
30 gal.	3 oz.	6 oz.
80 gal.	8 oz.	16 oz.

Frequently Asked Questions

Q1: What vehicles and equipment is AMSOIL Diesel Cetane Boost Fuel Additive designed for?

AMSOIL Diesel Cetane Boost Fuel Additive is recommended for use in all types of heavy-duty and light-duty, on-road and off-road, and marine diesel engines. It covers a wide range of applications including auto/light truck, motorcycle, ATV, UTV, snowmobile, marine outboard, PWC, heavy-duty on-road, heavy-duty off-road, and agriculture equipment. It is safe for use in all diesel fuels, including biodiesel.

Q2: Does AMSOIL Diesel Cetane Boost improve fuel economy and horsepower in diesel engines?

Yes. AMSOIL Diesel Cetane Boost increases cetane up to eight points, which provides a more complete fuel burn in the combustion chamber. This improved ignition quality maximizes available power and increases fuel economy. The more complete combustion also smooths idle and reduces smoke and emissions.

Q3: What does cetane number mean and how many points does AMSOIL Diesel Cetane Boost add?

The cetane number measures the ignition quality of diesel fuel -- a higher cetane number means the fuel ignites more quickly and burns more completely, resulting in improved engine performance. AMSOIL Diesel Cetane Boost increases cetane up to eight points. Its concentrated formula uses unique chemistry to target and eliminate specific performance issues, maximizing diesel power.

Q4: How does AMSOIL Diesel Cetane Boost compare to running regular diesel fuel without an additive?

Standard diesel fuel often has a lower cetane rating than what is optimal for peak engine performance. AMSOIL Diesel Cetane Boost raises the cetane number up to eight points above the base fuel, improving the ignition quality for a more complete burn. This translates to maximized horsepower, improved fuel economy, smoother idle, better startability, and reduced smoke and emissions compared to untreated diesel fuel.

Q5: How much AMSOIL Diesel Cetane Boost should I use per tank of diesel fuel?

AMSOIL Diesel Cetane Boost is a concentrated formula where one ounce treats up to 10 gallons of fuel. It is available in multiple package sizes including a 16 oz. bottle, 64 oz. bottle, 5 gallon pail, and 55 gallon drum to accommodate usage needs ranging from individual vehicles to fleet operations.

Q6: Is AMSOIL Diesel Cetane Boost safe for use with biodiesel and modern diesel emissions systems?

Yes. AMSOIL Diesel Cetane Boost is safe for use in all diesel fuels, including biodiesel. Its formulation reduces smoke and emissions, which supports cleaner operation of modern diesel engines. Verified users have reported that regular use helps reduce DPF regeneration frequency, indicating compatibility with modern diesel emissions equipment.

Available Product Codes

Product Code	Package Size	Unit of Measure
ACBCN-EA	16 oz. Bottle	Each
ACBCN-CA	16 oz. Bottle	Case of 12
ACBHG-EA	64 oz. Bottle	Each
ACBHG-CA	64 oz. Bottle	Case of 6
ACB05-EA	5 Gallon Pail	Each
ACB55-EA	55 Gallon Drum	Each

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