ECONIZER

Save Fuel. Save Environment.

FAQ Sheet: (Frequently Asked Questions)

Econizer has been developed to achieve Two Things. Reduction in Fuel Consumption and the reduction of Carbon Emissions.

Both have been achieved without any adverse effect to engine performance. In simple terms it works by creating a molecular reaction in the fuel creating a finer mist and therefore an increased molecular area for combustion.

The resultant fuel mist is more easily penetrated by the oxygen present at combustion. Consequently, the fuel burns more completely.

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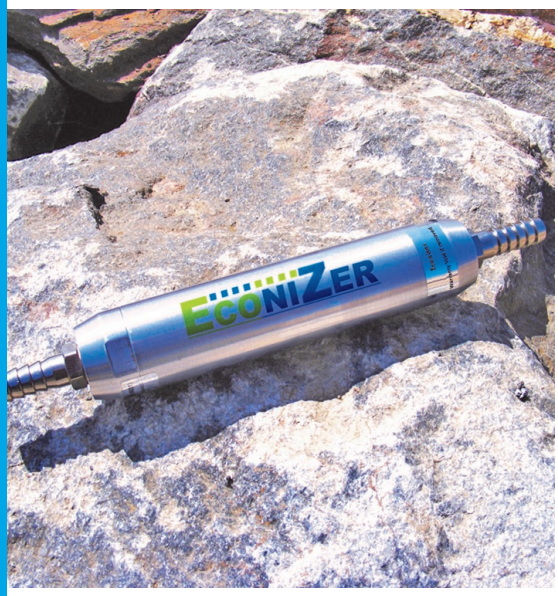

Q: HOW LONG WILL THE ECONIZER LAST?
A: Indefinitely, there are no moving parts, nothing wears out.

Q: DOES THE ECONIZER WORK ON ALL ENGINES?
A: YES; however the results will vary with different makes and models.

Q: IS THERE A POWER LOSS FROM USING THE ECONIZER?
A: NO, in fact there is usually a noticeable increase in power.

Q: HOW DOES THE ECONIZER WORK?
A: As the fuel passes through the Econizer it comes in contact with dissimilar metals. Ions are released from the metals and charge the exposed fuel molecules with a (-) ion, causing the molecules to repel each other exposing more of the fuel to the oxygen swarm and improving the combustion process by improving the ignition characteristic of the fuel. This allows a more complete burn to take place and thus improves engine performance and reduces emissions.

Q: HOW DOES THE ECONIZER REDUCE THE VISIBLE BLACK SMOKE?
A: Black Smoke is unburned fuel, the Econizer ionizes the fuel so that it will ignite better in the combustion chamber, thus you realize a more complete burning of the fuel and that results in reduced black smoke.

Q: WILL INSTALLING THE ECONIZER VOID MY ENGINE WARRANTY?
A: No

Q: WILL THE ECONIZER AFFECT THE FUEL FLOW?
A: No

Q: HOW MANY GALLONS PER HOUR CAN FLOW THROUGH THE UNIT?
A: The same amount that can normally flow through the fuel line.

Q: WHY DOES THE ECONIZER HAVE TO BE MOUNTED AS CLOSE AS POSSIBLE TO THE INJECTOR PUMP?
A: An electrolytic charge is induced on the fuel as it passes through the Econizer, this charge is short lived and dissipates as it travels, losing some of its effectiveness. The full benefit of the charge last for only seconds, so the closer the treated fuel from the ECONIZER is to the combustion chamber, the stronger the electrolytic charge and the better the results of improved ignition.

Q. HOW DOES THE ECONIZER PROTECT MY ENGINE AND PROLONG ENGINE LIFE?
A: Approximately 30% of the exhaust from the combustion chamber is trapped in the engine crankcase. This contaminates the oil in the engine and is the main cause of oil breakdown. The Econizer induces an electrolytic charge on the molecules, this coats the molecules with the ions that improves the fuels ability to ignite better, thus improving the entire combustion process. The result of this is more complete burning of the fuel while in the chamber and that equals less emissions. This also starts to gradually dissolve any hard carbon deposits that have accumulated on the pistons, valves, rings and other combustion chamber surfaces and prevents any further accumulations or deposits, thus you keep your engine components clean and the engine can operate at maximum efficiency. Your oil stays cleaner longer thus reducing wear and teas on the crankcase metal surfaces. Oil analysis has proven that by using Econizer, the fuel soot levels can be reduced as much as 40% and oxidation and metals have been significantly reduced also.

Q: HOW DOES THE ECONIZER CLEAN THE INJECTORS?
A: The combined charge and magnetic field that is induced on the fuel as it travels in the fuel lines and through the injectors, cause a cleaning action on the surfaces that gradually dissolve gums, varnishes and other buildups that have accumulated over time. Once these deposits are dissolved, the treated fuel from the Econizer, will continually maintain the surface's cleanliness.

Q: DOES THE ECONIZER NEED TO BE SERVICED?
A: NO, once properly installed, the Econizer needs no maintenance. Periodic inspections of the fuel lines and fittings tightness are recommended.

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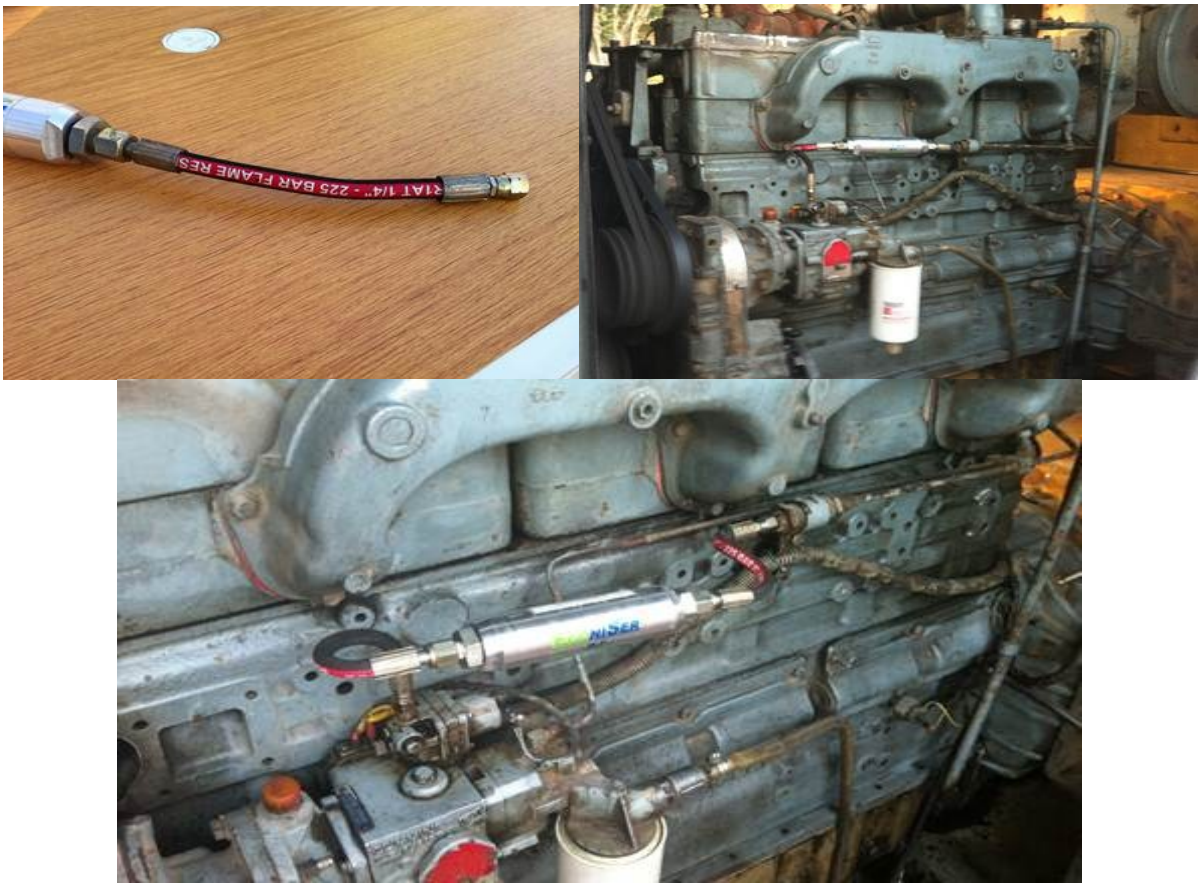
Device Installation Example



A typical example of installed Econizer on an Engine.

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