

DESCRIPTION

AMERGY 1000 combustion improver is a blend of organic compounds designed to promote more complete combustion and to maximize the energy release from the fuel. It can be used in diesel engines, gas turbines and boilers for fuels ranging from distillate to residual.

By providing more complete combustion, AMERGY 1000 combustion improver reduces the amount of exhaust particulates and carbon deposits. This action keeps internal combustion surfaces cleaner and can reduce maintenance costs as well as reducing fuel consumption. AMERGY 1000 contains no metals and is totally consumed in the combustion process.

Engine tests on a slow-speed diesel engine burning residual fuel showed a reduction of particulates of 18% and smoke opacity of 70% with the use of AMERGY 1000 combustion improver. In other tests, cetane values of #2 diesel improved by 2% with the use of AMERGY 1000 combustion improver.

FEATURES

- Effective combustion aid
- 100% ashless organic liquid
- Applicable to all grades of fuel

APPLICATION AND USE

The dosage rate for AMERGY 1000 combustion improver is in the range of 1 liter for 1-8 tons of fuel. The optimum dosage rate, however, will vary depending on the engine and boiler design, overall fuel quality and operational procedures.

It is recommended that fuel deliveries are representatively sampled and analyzed to monitor overall fuel quality and to determine levels of contamination. Consult your local Drew Marine representative for further discussion on fuel samplers, fuel analysis services and onboard testing equipment.

It is recommended that the product be metered continuously into the fuel. This is best accomplished by the use of a metering system (DREW™ Beta Metering System). Dosing in this manner assures proper mixing, dispersion, and sufficient quantities of AMERGY 1000 combustion improver when needed. It is usually recommended that the product be dosed to the low-pressure side of the fuel treatment system, but the actual dosing location may vary depending on the engine layout and design.

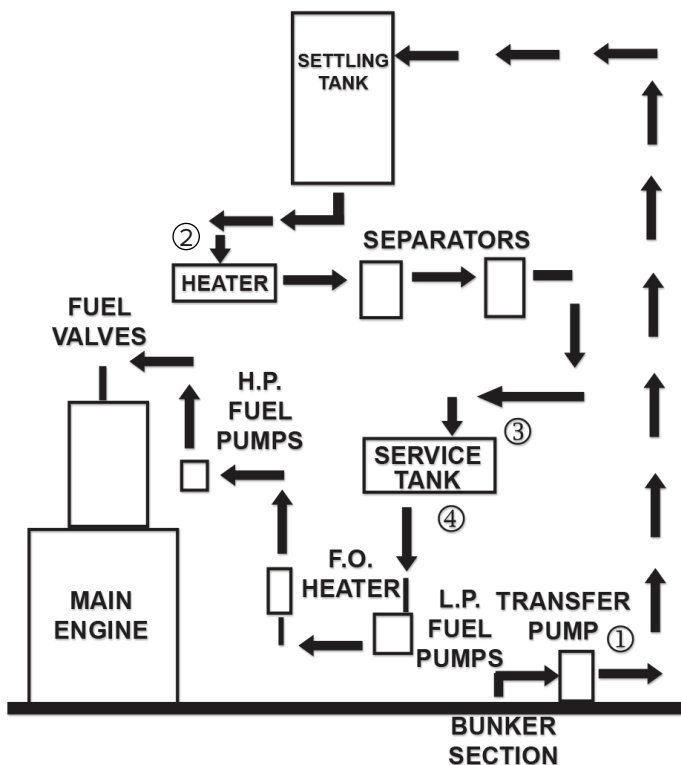
BENEFITS

- Decreases smoking and particulate emissions
- Reduces fouling of economizer
- Minimizes low temperature corrosion
- Eliminates diesel injector trumpeting
- Minimizes carbon buildup in combustion space
- Minimizes air heater fouling
- Reduces deposits on atomizing nozzles in boilers
- Increases boiler efficiency
- Allows lower excess air
- Completely combustible
- Does not increase particulate loading
- One product provides benefits for a wide range of fuels and combustion equipment



Contact your Drew Marine representative for more information

Diesel Propulsion Plant



Recommended injection points for AMERGY® 1000 combustion improver in typical main engine fuel arrangement:

- ① ② ③ ④

The diagram above outlines typical treatment location.

TYPICAL PHYSICAL PROPERTIES

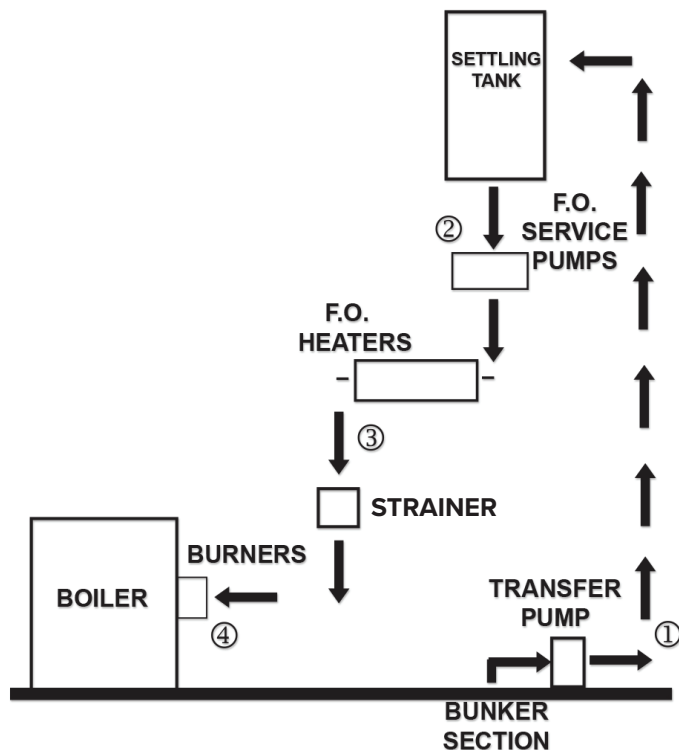
Appearance:	Clear yellow, liquid
Density @ 25 °C:	0.875 g/cm ³
Flash Point (PMCC):	48 °C min.
Solubility:	Soluble in all proportions in fuel

NOTE: Always wear the appropriate personal protective equipment when using this product.

PACKAGING

AMERGY 1000 combustion improver is available in 25-liter containers (PCN 4139409).

Steam Propulsion Plant



Recommended injection points for AMERGY 1000 combustion improver in typical steam propulsion fuel arrangement:

- ① ② ③ ④

IMPORTANT INFORMATION

Drew Marine maintains Safety Data Sheets on all of its products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees.

Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.

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