MAXIBURN™

DESCRIPTION

MAXIBURN is an effective, multi-functional organometallic additive, which has been optimized for use in 2-stroke and 4-stroke marine diesel engines operating on low sulfur marine fuels, including all residual and distillate per ISO 8217, VLSFO, ULSFO, bio-derived fuels, and other types of liquid fuel. Engine tests and shipboard trials have shown that the combined ingredients in MAXIBURN provide ship operators with cost improvements through improved combustion efficiency, reduced maintenance, and reduced emissions.

Fuel stabilizers in MAXIBURN reduce oxidation of expensive LSFO while in storage. Since LSFO is sometimes only required for use during operation in Emission Control. Areas (ECAs), maneuvering, or in port, prolonged storage may result in fuel oxidation and destabilization. Fuel oxidation and destabilization can result in fuel sludge and poorer combustion. Over prolonged storage times, the color and appearance of LSFO, including any dyes used, will deteriorate and darken signifying the onslaught of fuel oxidation.

MAXIBURN contains powerful dispersants that will disperse any entrained water originating from housekeeping issues on board or from the bunker tanker that delivered the fuel. LSFO storage tanks in the humid marine environment also introduce water. As a result of this, water promotes the growth of microbes that may lay dormant in the fuel itself or enter through air via tank vents.

FEATURES

- Fuel stabilizers that reduce fuel oxidation in storage and stabilize color
- Dispersants scatter entrained water and inhibit microbial growth
- Suitable for all grades of LSFO
- Completely soluble in fuel oil, prevents removal during centrifuging
- Oil soluble detergents for fuel filter & diesel injector cleanliness, and cylinder liner lacquer deposit control
- Corrosion inhibitors protect the entire fuel system from rust and corrosion
- Combustion improvement through organometallic iron for improved specific fuelnconsumption
- Lowers activation energy required for complete combustion
- Increased calculated cetane index (CCI) and reduced ignition delay with cetane improver additives
- Promotes better fuel combustion for improved engine efficiency
- Improved fuel atomization to reduce soot, smoke, hydrocarbon and particulate matter (PM) emissions
- Helps maintain lubricant oil film for reduced consumption and improved surface corrosion control
- Liquid formulation

BENEFITS

- Prolongs the stability of expensive marine LSFO
- Less likelihood of microbial induced corrosion in storage tanks
- Extends engine component life-cycle an overhaul interval
- Catalyzed combustion results in less carbon build-up on pistons, valves, turbochargers and economizers to improve overall engine operation and efficiency
- Improves combustion and negates corrosive effects from off-spec fuels (etc. chemical waste, used-lube oil, bio-contaminated, etc.), or fuels with low CCI or poor ignition quality
- Minimizes formation of particulate matter (PM) emissions especially during maneuvering
- Significantly reduces the likelihood of soot or exhaust stack fires
- Reduced lubricant oil consumption
- Effective and easy-to-use LSFO treatment

Contact your Drew Marine representative for more information

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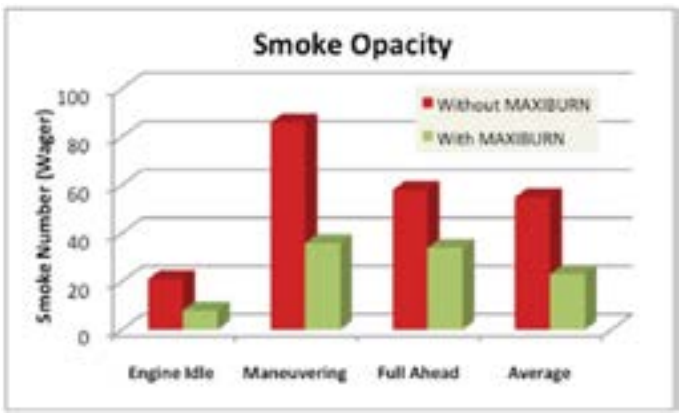

Strong oil soluble detergents in MAXIBURN protect fuel filtration systems, fuel pumps and injectors from insolubles and deposits that accumulate over time. These same detergents offer excellent cylinder liner lacquer deposit control to prevent the formation of lacquer or varnish on those lubricated surfaces, thereby improving the lubricant oil film.

MAXIBURN has corrosion inhibitors to prevent corrosion that results from contaminated LSFO. LSFOs found with the inclusion of chemical acids/wastes, used-lube oil, or bio-fuel contamination can cause premature corrosion of engine components and auxiliary fuel system equipment.

Organometallic iron found in MAXIBURN lowers the activation energy required for improved combustion, while cetane improvers improve the ignition characteristics of poor quality LSFO and promote more complete fuel combustion during low engine load operating conditions. In all conditions, routine treatment with MAXIBURN will improve fuel atomization and reduce soot, smoke, hydrocarbon and particulate matter (PM) emissions formation, thereby resulting in less carbon build-up on pistons, valves, turbochargers and economizer.

Based on various engine tests and trials, routine use of MAXIBURN has been proven to improve overall combustion, reduce smoke opacity, and reduce specific fuel consumption between 2.4% to 4.4%. Ship operators requiring an easy, cost-effective measure to improve engine efficiency can use MAXIBURN as part of their Ship Energy Efficiency Management Program (SEEMP).

APPLICATION AND USE

Dose MAXIBURN into LSFO service tanks to improve combustion and reduce hydrocarbon deposit formation and overall emissions during low load engine operation (e.g., slow steaming) and maneuvering, or when heavy smoke conditions exist. Use MAXIBURN when CCI is below the required fuel specification, or when ignition delay occurs.

To treat choked fuel injectors and filters, apply an initial clean-up dosage into LSFO storage tanks to restore flow. Increased dosage may be necessary for handling heavily fouled systems and for removing cylinder liner lacquer deposit buildup. Use MAXIBURN regularly to prevent fuel oxidation and to protect the entire fuel system from rust and corrosion.

Dosage Rate	Application
1 to 1,000	Initial clean-up of fouled fuel injectors, filters, and cylinder liner deposits
1 to 2,000	Regular routine treatment to stabilize LSFO and improve overall combustion
1 to 5,000	Regular routine treatment to prevent fuel oxidation and to protect entire fuel system from rust and corrosion.

TYPICAL PHYSICAL PROPERTIES

Appearance:	Dark colored liquid
Flash point:	72°C
Pour point:	< -40°C
Density @15.6°C:	0.962 g/cm3
Viscosity @40°C:	4.2 mm2/s (cSt)
Solubility:	Complete at use concentration

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

PACKAGING

MAXIBURN is available in 25L pails (PCN 0092403).

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.

Contact your Drew Marine representative for more information

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