

# B-15

## Fuel Reformulator for HFO's Used in Boilers

**PROBLEM:** Heavy Fuel Oils (Bunker Fuels) are difficult to burn, hard to pump through fuel lines without heating them or the fuel, has high viscosity, low lubricity and can contain byproducts (asphaltenes, sulfur, metals, salt, etc...) that, without costly maintenance, can corrode a boiler.

**SOLUTION:** Omstar's B-15 has been tested successfully on Boilers that run on bunker fuel. The results have given clear evidence that Omstar B-15 cleans the fuel delivery system while bringing greater efficiency to the boiler, allowing operators to increase the steam capacity while at the same time increasing fuel economy up to 40%.

Omstar B-15 significantly reduces carbon build-up in fire tubes and lowers emissions, including NO<sub>x</sub>, SO<sub>x</sub>, and particulate matter. B-15 allows boilers to function at low levels of O<sub>2</sub> (2.8%) without emitting ashes into the atmosphere. The lower the O<sub>2</sub> level, the higher the efficiency.

### Omstar B-15 is designed for bunker fuel applications

- Omstar B-15 is applied to the fuel line just before the fuel pump, cleaning the pump and increasing its maintenance interval up to three times.
- B-15 is used in residual fuel (heavy fuel oil/diesel fuel/fuels #5 and #6) burned in furnaces of heat plants, such as boilers (steam) plants. It greatly improves combustion of furnace fuels.
- B-15 used in conjunction with Bunker-C will produce less pollution than Low Sulfur Diesel.
- Omstar B-15 allows the use of HFO's in most high-volume diesel fuel applications, providing significant cost savings over Low-Sulfur Diesel fuel (advocated for use in some applications around the world) but with a higher BTU rating and greater lubricity than Low-Sulfur Diesel fuel.

Starting in 2009, fuel additives have been required to publish only what has been verified by independent labs in the U.S.

