



Vecom Marine

clean ships - clean seas

VALVE TREAT

(Vanasolvent - FOT SA)

Highly effective ash modifier and high temperature corrosion inhibitor for diesel engines and boilers

- Reduces high temperature corrosion
- Reduces corrosion effects caused by vanadium and sodium impurities
- Reduces fouling in post combustion zone such as turbo charges, exhaust valves, economizers
- Separates emulsified water in fuel and enhances water separation at the separator
- Reduces unburned particles and soot emission
- Extends life of valves, cylinders etc.

For product characteristics and for the nature of special risks and safety advice consult our Material Safety Data Sheet.

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DESCRIPTION

VALVE TREAT is a liquid compound that contains chemicals proven effective in reducing harmful effects of vanadium oxides and sodium salts in diesel engines. Adding *VALVE TREAT* to bunker fuel forms a complex that de-activates the vanadium and sodium common in heavy bunker fuels. The melting point of vanadium pentoxide is 675°C and sodium sulfate is 880°C. When *VALVE TREAT* is employed, the complexes formed with vanadium and sodium sulfate by the agents in *VALVE TREAT* melt at about 1100°C.

APPLICATIONS

VALVE TREAT is used both in steam and motor vessels burning heavy fuel oils to improve combustion efficiency, reduce corrosion, disperse sludge and separate water. It is primarily formulated for use in diesel engines to prevent valves failure.

DIRECTIONS FOR USE

VALVE TREAT is introduced manually into the fuel tanks prior or during bunkering. The fuel movement on entering the tank will blend the product completely with the fuel. The product can also be dosed automatically into the fuel oil service line, prior to the service pump by means of a metering pump. The *VECOM MARINE METERING PUMP* is recommended.

PRODUCT DOSAGE

Dosage requirements depend on the nature and amount of impurities, but typical dosage rate is 1 lt. of *VALVE TREAT* per 4 tons of fuel oil, considering a normal vanadium of 100 PPM. To establish a more accurate and cost efficient dosage rate, it could be useful to test or know the vanadium content at each bunkering.