

VANASOLVENT

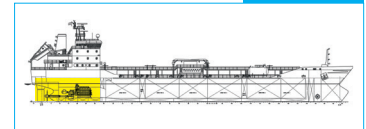
Fuel Oil Treatment Especially Formulated for Medium Speed Diesel Engines

Technical Information

PHYSICAL DATA

Appearance:	Brown liquid
Specific Gravity:	approx 0.95 at 20°C
Flash Point:	82°C C.O.C.
Corrosive action:	Metals: None - Rubber: Slight swelling

USAGE AREAS



DESCRIPTION

Liquid compound that contains chemical agents proven effective in greatly reducing harmful effects of vanadium oxides and sodium salts in diesel engines. Adding VANASOLVENT to bunker fuel forms a complex, which deactivates the VANADIUM and SODIUM common in heavy bunker fuels. The melting point of VANADIUM PENTOXIDE is 675°C and SODIUM SULFATE 880°C. When VANASOLVENT is employed, the complexes formed with VANADIUM and SODIUM SULFATE by the chemical in VANASOLVENT melt at about 1100°C.

APPLICATIONS

For both steam and motor vessel burning heavy fuel oils to:

- Improve combustion efficiency.
- Reduce corrosion.
- Disperse sludge and separate water.

ADVANTAGES

- Reduces high temperature corrosion.
- Extends life of exhaust valves, cylinders etc.
- Reduces corrosion effects of Vanadium and Sodium impurities.
- Reduces smoke, carbon and ash deposits.
- Reduces unburnt particles and soot emissions.
- Limits fouling of turbo chargers.
- Separates emulsified water and helps water separation at the separator.
- Improves atomization and combustion.

DIRECTION FOR USE

Introduce VANASOLVENT as follows:

- A. Manually into tank prior to or during bunkering the fuel movement on entering the tank blends the product completely.
- B. Automatically, by means of metering pump, into the fuel system. The metering pump is recommended for this use.

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PRODUCT DOSE

Dosage requirements depends upon the quality of the fuel oil to be treated. VANASOLVENT can be added directly to the day tank by means of dosing pump, but it is preferable to dose the product directly to the fuel oil service line prior to the service pump. Dosage requirements depend on the nature and amount of impurities, but typical dosage rate is 1 litre of VANASOLVENT per 4 tons of fuel oil considering a normal VANADIUM of 100 PPM. To establish a more accurate rate and cost efficient dosage rate, it could be useful to test or to know the VANADIUM content at each bunkering. Accurate and cost efficient dosage rate, it could be useful to test or to know the VANADIUM content at each bunkering.

IMPORTANT NOTICE

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.