

VANADIUM CONDITIONER

DESCRIPTION

AFT-14 is specially formulated to combat exhaust valve burning and erosion problems, associated with sodium and vanadium contamination of poor quality heavy residual fuels.

AFT-14 physically modifies fuel ash, raising the sinter and melting points of the ash above the normal engine operating temperatures. Modified ash particles are solid, small and non-adhesive and are ejected together with the exhaust gas stream. Valve seating is improved as the chance of impacted ash is reduced. Guttering and compression losses are minimized, and valves and seat lives are extended. Turbocharger and exhaust system fouling is controlled, as the ash particles in the gas stream are less adhesive. Exhaust system maintenance is simplified and any ash formed is friable and easily removed by conventional methods such as brushing.

AFT-14 is acid reduction. Fuel vanadium has a catalytic action on fuel sulphur, increasing the conversion from sulphur dioxide to sulphur trioxide during combustion. **AFT-14** keeps the complex vanadium and sodium ash compounds in a solid and non-molten state, inhibiting fused salt corrosion.

DIRECTIONS FOR USE

AFT-14 should be dosed either directly into the service tank or by automatic metering into the suction side of the booster pumps. Average dosage rates are one litre of **AFT-14** per 1 – 5 tons of fuel oil depending on the nature and severity of the problem.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Pale/Red-brown liquid
S.G at 15°C : 0.83 – 0.9
Flash Point : Above 61°C
Odor : Aromatic



SAFETY AND HANDLING INFORMATION

Protective Measures	Use good industrial hygiene. Avoid direct contact. Wear full protective clothing, impervious gloves, goggles or full-face mask. Use only in adequately ventilated areas, equivalent to outdoors. Wash hands with water after use.
Spillage & Disposal	Remove all ignition sources and isolate the area. Stop leak at source if possible. Recover free liquid and ventilate area. Keep petroleum products out of sewers and watercourses. Absorb residue with sand or earth. Dispose of absorbed residue as per local authority requirements.
<u>FIRST AID</u> Eyes	Hold eyes open, rinse eyes with copious amount of water for at least 15 minutes. If irritation persists, seek medical advice.
Skin	Wash skin thoroughly with water. Use soap if available. Remove contaminated clothing, including shoes and laundry before reuse. Seek medical attention if effect persists.
If Inhaled	Evacuate victim to open air. Administer artificial respiration if breathing has stopped. Keep at rest. Seek prompt medical attention.
If swallowed	Rinse mouth; then drink 1 or 2 large glasses of water. Do not induce vomiting. Seek prompt medical attention. Never give anything via mouth to an unconscious person.
<u>HANDLING</u> Storage & Transportation	Product should be stored and transported in original containers. Keep container dry and sealed. Store in a cool and dry area, away from direct sunlight and away from ignition sources or extreme heat. Keep from open flames. Open slowly to control possible pressure release.
Packaging	Packed in 25 and 200 litres non-returnable containers.

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