



Quality Chemicals  
with  
excellent performance

## APEX CHEMICALS

### AFT-14

### VANADIUM CONDITIONER

- Prevent high and low temperature corrosion
- Reduce deposit build up in the exhaust valves & turbo Charger
- Avoid unnecessary down time and repairing cost
- Better engine performance

#### PRODUCT DESCRIPTION:

AFT-14 VANADIUM CONDITIONER 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 VANADIUM CONDITIONER 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 VANADIUM CONDITIONER 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 VANADIUM CONDITIONER keeps the complex vanadium and sodium ash compounds in a solid and non-molten state, inhibiting fused salt corrosion.

#### APPLICATION:

AFT-14 VANADIUM CONDITIONER 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 VANADIUM CONDITIONER per 1 – 5 tons of fuel oil depending on the nature and severity of the problem.

#### PHYSICAL PROPERTIES

Appearance	: Pale/Red-brown
Relative Density	: 0.83 – 0.90
Form	: Liquid
Flash Point	: >61°C

**Packaging** : Supplied in 25 litres non-returnable containers.



**Important information:**

Apex chemicals Safety Data Sheets are available. Safety Data Sheets contain health and safety information for proper products 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.

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