



PRODUCT BULLETIN

VANADIUM CONDITIONER

Fuel Ash Modifier

General Description

VANADIUM CONDITIONER is a post combustion modifier specially designed to efficiently reduce high temperature corrosion causing premature exhaust valve failure in low-speed and particularly medium-speed diesels. **VANADIUM CONDITIONER** reduces deposits caused by a combination of sodium, vanadium and sulphur in combustion zones, turbochargers and especially on exhaust valve seats and stems. **VANADIUM CONDITIONER** effectively raises fuel ash sinter and melting point temperatures above the normal engine operating temperatures. **VANADIUM CONDITIONER** reduces turbocharger fouling and high temperature fused salt corrosion of valve alloys. **VANADIUM CONDITIONER** reduces turbocharger fouling and high temperature fused salt corrosion of valve alloys. **VANADIUM CONDITIONER** modifies vanadium compounds to non-adherent ash forms and converts crystalline ash forms to light and friable easily exhausted fuel ash. **VANADIUM CONDITIONER** prevents vanadium from converting sulphur dioxide to sulphur trioxide catalytically and improves combustion.

Application

VANADIUM CONDITIONER was formulated primarily for use in 2-cycle and 4-cycle medium-speed diesel engines which are highly turbocharged and where premature exhaust valve failure is a frequent problem. Dosage point location varies depending upon engine fuel system layout. For best results, use with a metering pump and dose as near to the oil injection point as possible. Dosage rates depend upon engine characteristics, operating conditions and especially the quality of fuel oil. **See VANADIUM CONDITIONER DR for the guide for dosage rates.**

Properties

Color	Light Brown Liquid
Specific Gravity (20BC)	0.835
Flash Point (PM CC)	63BC
IMO-Code	Not Applicable

Availability

VANADIUM CONDITIONER is available in UN approved 5 gallon pails and 55 gallon drums.

Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply.