

# VANLUBE<sup>®</sup> AZ

**Multifunctional Additive Having Antioxidant, Metal Deactivator, Corrosion Inhibitor and Antiwear Properties**

## TECHNICAL DATA

**VANLUBE<sup>®</sup> AZ** is a clear light yellow liquid additive readily soluble in petroleum lubricants.

### CHEMICAL COMPOSITION

Zinc dialkyldithiocarbamate

### TYPICAL PROPERTIES

Physical State	Liquid
Appearance	Clear, light yellow
Density, Mg/m <sup>3</sup>	1.02
Viscosity @ 100°C, mm <sup>2</sup> /s	9.8
Flash Point (PMCC), °C	136
Sulfur Content (typical), wt %	12.1
Zinc Content (typical), wt %	6.2

\*The analytical data listed above are not specifications

### APPLICATIONS


- Industrial Oils
- Gear Oils
- Turbine Oil
- Compressor Oils
- Hydraulic Fluids
- Greases
- Engine Oils

### RECOMMENDED TREAT RATES

- Heavy duty oil: 0.5 wt % **VANLUBE AZ** along with 0.125% zinc as zinc dithiophosphate
- High temperature antioxidant in automotive engine oils: 0.5 wt %
- Stationary gas engine oils: 0.75 wt %
- Automatic transmission fluids: 0.5 wt %
- Grease antioxidant: 0.25 to 0.50 wt %

### ADVANTAGES

- Metal deactivator for non-ferrous metals
- Antiwear agent and synergist
- Reduces deposit-forming tendencies of some zinc dithiophosphates
- Acts as a heat stabilizer for polymeric dispersants, allowing use of less dispersant

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- Delivers enhanced performance when used in combination with zinc dithiophosphates
  - Provides unique antioxidant properties in industrial gear oils
  - Corrosion inhibitor for copper-lead and silver bearings
  - High temperature antioxidant in air compressor oils

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## SOLUBILITY

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- **VANLUBE AZ** is readily soluble in petroleum and synthetic lubricants

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## STANDARD PACKAGING

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- 40 lb. pail
- 450 lb. metal drum
- 2700 lb. tote
- Bulk shipments available

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## HANDLING AND STORAGE

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Short Term Max Storage & Handling Temperature: 80°C

Long Term Max Storage & Handling: 40°C

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## REGISTRATION

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Please refer to section 15 of SDS for regulatory information.

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## CONTACT INFORMATION

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For samples, product information and/or technical service, please contact Vanderbilt Chemicals, LLC or the Vanderbilt representative in your area:

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