



# VANLUBE<sup>®</sup> 4310

Hydraulic Fluid  
Package

## TECHNICAL DATA

**VANLUBE<sup>®</sup> 4310** Lubricant Additive is an additive package for use in blending hydraulic fluids.

### CHEMICAL COMPOSITION

Blend of several additive components (Antioxidants, Antiwear, Rust and Corrosion)

### TYPICAL PROPERTIES

Physical State	Liquid
Color	Yellow to Amber
Density at 25 °C, Mg/m <sup>3</sup>	1.17
Viscosity at 40 °C, mm <sup>2</sup> /s	1000
Viscosity at 100 °C, mm <sup>2</sup> /s	20
Flash Point COC, °C	130
Phosphorous Content, %	8.5 to 9.5
Sulfur Content, %	17 to 20
Zinc Content, %	9.5 to 10.5

\*The analytical data listed above are not specifications

### APPLICATIONS

- Hydraulic Fluid Package

### RECOMMENDED TREAT RATES

- **VANLUBE<sup>®</sup> 4310** is used at 0.50 wt% in a mineral oil or synthetic base stock

### ADVANTAGES

- Extends oil life and improves pump durability
- Provides good anti-wear performance from ZDDP
- Offers good antifoam and demulsibility characteristics
- Contains antioxidants for excellent thermal and oxidative stability
- Formulated to inhibit steel and yellow metal corrosion
- Meets the following performance specifications in a suitable base oil
  - U.S. Steel 127, 136 Rust preventives
  - DIN 51524 Part II
  - GM LS-2
  - Cincinnati Machine P-68, P-69, P-70
  - Eaton Vickers M-2950-S, I-286-S
  - Bosch Rexroth RE 90220

## SOLUBILITY

- Quickly and easily dissolves in mineral oil lubricant formulations. Soluble in paraffinic and naphthenic oils, polyalphaolefins, polyisobutylenes and some esters e.g. trimellitates, di-tridecyl adipate (DTDA).

## STANDARD PACKAGING

- Drums: 510 net lbs.; 544 gross lbs.
- Totes: 2,675 net lbs.; 2,810 gross lbs.

## HANDLING AND STORAGE

Please refer to Section 7 of the SDS for handling and storage information.

### Additional handling and storage information:

Short Term Storage Temperatures is 50°C

Long Term Storage Temperature is Room Temperature

Mechanical Mixing or Blending can be done at 60°C

## REGISTRATION

Please refer for section 15 of SDS for regulatory information.

## CONTACT INFORMATION

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

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