



VANLUBE® 4620

Industrial Gear Oil Additive Package

TECHNICAL DATA

VANLUBE® 4620 Lubricant Additive Package is a blend of several additives for use in preparing Industrial Gear Oil fluids with good extreme pressure (EP) protection.

CHEMICAL COMPOSITION

A unique blend of additives that impart extreme pressure, anti-wear, oxidation, rust and corrosion protection to a finished oil.

TYPICAL PROPERTIES

Physical State	Liquid
Color	Yellow to Amber
Density at 25 °C, Mg/m ³	1.06
Viscosity at 40 °C, mm ² /s	40
Viscosity at 100 °C, mm ² /s	6
Flash Point COC, °C	>80 °C
Phosphorous Content, %	0.5 - 0.7
Sulfur Content, %	28.5 - 34.5

*The analytical data listed above are not specifications

APPLICATIONS

Properly formulated industrial gear oils using **VANLUBE® 4620** are capable of meeting the following specifications:

- GM LS-2 Specification LR for EP gear oils
- U.S. Steel 224 / German Steel SEB 181226
- CM P35, P59, P74 & P77
- ANSI / AGMA 9005-E02
- DIN 51517 Part 1, 2, and 3
- ISO 12925-1 Category CKD
- Type CLP HC, L-CKC
- Joy Machinery TO-SHEP & TO-SMEP

RECOMMENDED TREAT RATES

- **VANLUBE® 4620** is used at 1.5 wt% in a mineral or synthetic base stock

ADVANTAGES

- Thermally stable package which leads to long service life
- Exceptional EP performance that helps protect gears from premature failure
- Great antifoam and demulsibility characteristics
- Excellent rust and corrosion protection

SOLUBILITY

- Suitable for use in Group I - IV base stocks

STANDARD PACKAGING

- Drums: 470 net lbs.; 504 gross lbs.
- Totes: 2,400 net lbs.; 2,535 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 38°C

Long Term Storage Temperature is Room Temperature

Mechanical Mixing or Blending can be done at 52°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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