

# VANLUBE<sup>®</sup> SN

Antioxidant

## TECHNICAL DATA

**VANLUBE<sup>®</sup> SN** is a synergistic liquid antioxidant blend composed of alkylated diphenylamines (ADPA) and a high molecular weight sterically hindered phenol (HP). It is a general-purpose antioxidant good for all types of lubricant applications such as turbine, compressor, hydraulic fluids, automatic transmission fluids (ATF), passenger car motor oils (PCMO), and heavy-duty diesel engine oils (HDDEO). **VANLUBE SN** can be used to boost the oxidation performance of older category engine oils.

## CHEMICAL COMPOSITION

Alkylated diphenylamine and sterically hindered phenol

## TYPICAL PROPERTIES

Physical State	Liquid
Appearance	Light Brown
Nitrogen, % (ASTM D5291)	1.8
Viscosity @ 40 °C, mm <sup>2</sup> /s (ASTM D445)	280
Viscosity @ 100 °C, mm <sup>2</sup> /s (ASTM D445)	11
Flash Point, °C. (ASTM D6450)	218
TAN, mg KOH/g, (ASTM D974)	0.2
TBN, mg KOH/g, (ASTM D2896)	66
Water, %, (ASTM D1744)	0.02

\*The analytical data listed above are not specifications

## APPLICATIONS


- Engine oils
- Automatic transmission fluids
- Racing oils
- Greases
- Gear oils
- Industrial oils
- Synthetic lubricants

## RECOMMENDED TREAT RATES

- Formulation and application specific, typical range 0.1 – 2.0%

## ADVANTAGES

- Synergistic combination of alkylated diphenylamine and sterically hindered phenol provides optimized performance in many lubricant applications
- Excellent thermal and oxidative stability

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- Low viscosity free flowing liquid which is easily pumped or transferred at low temperatures
  - Low volatility allows use in demanding high temperature or extended drain lubricant applications
  - 100 % active, contains no diluent oils
  - Non-corrosive and compatible with elastomer seals
  - Robust antioxidant that is sulfur and phosphorus free

## SOLUBILITY

- Soluble in mineral oils, PAO, PAGs, esters and other synthetic base stocks. Not soluble in water.

## STANDARD PACKAGING

- 425 lb. drum

## HANDLING AND STORAGE

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

Suggested pumping temperature is 25 °C. Short- and long-term maximum handling temperatures are 40 °C and 40 °C respectively.

## 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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