

ZINC FREE HIGH VISCOSITY INDEX HYDRAULIC OIL

PRODUCT CODE: 34532

DESCRIPTION

49 NORTH® ZINC FREE HIGH VISCOSITY INDEX HYDRAULIC OIL is a multi-grade oil designed for use in many hydraulic systems where pump and equipment manufacturer call for a zinc free oil or in environmentally sensitive work areas.

QUALITIES

49 NORTH® ZINC FREE HIGH VISCOSITY INDEX HYDRAULIC OIL is blended with high quality base oils having excellent stability. 49 NORTH® ZINC FREE HIGH VISCOSITY INDEX HYDRAULIC OIL contains a balanced additive system that provides oxidation and thermal stability, anti-rust, demulsibility, anti-wear, and anti-foam performance. The zinc free anti-wear system used in 49 NORTH® ZINC FREE HIGH VISCOSITY INDEX HYDRAULIC OIL minimizes wear in pumps and motors and is highly stable under thermal or oxidative stress and is exceptionally stable when in the presence of moisture, showing little tendency to hydrolyze and attack copper.

49 NORTH® ZINC FREE HIGH VISCOSITY INDEX HYDRAULIC OIL is formulated to give exceptional cold temperature operation. A shear stable viscosity index modifier is used to provide maximum performance over a wide range of start-up and operating temperatures, while minimizing viscosity shear down.

Mixing of non-zinc hydraulic oils with hydraulic oils containing zinc or calcium should be avoided. There have been industry concerns about the possible incompatibility, filter plugging, and system deposits. Best practices call for changing the oil when moving from zinc containing to zinc free or vice versa.

APPLICATIONS

49 NORTH® ZINC FREE HIGH VISCOSITY INDEX HYDRAULIC OIL is recommended for applications where the manufacturer calls for a zinc free anti-wear hydraulic oil. Recommended for the following manufacturers' performance requirements:

- Abex Denison HF-1, HF-2, HF-0
- Cincinnati Milacron P-68, P-69, P-70
- Racine variable volume vane pumps
- Vickers I-286-S, M-2950-S (35VQ25)
- U.S. Steel 127
- DIN 51524, Part 2

CONTACT

Email: info@49northlubricants.com
www.49northlubricants.com

Phone: 780.986.9260
Toll Free: 1.800.463.0354
Fax Toll Free: 1.877.917.4949

6611 - 45 Street
Leduc, Alberta
Canada T9E 7E3



FEATURES & BENEFITS

Excellent vane and piston pump performance with low copper activity, providing extended pump life.

A shear stable multi-grade, with a wider temperature range for superior cold start-up and high temperature performance.

Provides excellent oxidation and thermal stability for longer drain intervals.

Superior hydrolytic stability with quick water separation providing good demulsibility and protection against filter plugging.

Outstanding rust prevention capabilities reduce maintenance downtime and cost.

ASTM D-943 Oxidation Test: Exceeds 5000 Hours

TYPICAL PROPERTIES

ISO Viscosity Grade	32
SAE Viscosity Grade	5W20
Product Code	34532
Density (lbs/gal)	7.18
Pour Point (ASTM D-97), °F (°C)	-60 (-51)
Flash Point (ASTM D-92), °F (°C)	428 (220)
Rust (ASTM D-665)	Pass
Oxidation (ASTM D-943), Hours	5000+
Viscosity	
cSt @ 40 °C	33.4
cSt @ 100 °C	6.39
Viscosity Index	156
Brookfield, cP @ -35°C	11810

The typical properties listed reflect the general characterizes of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

HEALTH & SAFETY

A complete Safety Data Sheet (SDS) is available upon request. Used oil contains by-products which may be harmful.

PACKAGE SIZES

Available in bulk, 1211 L totes, 208 L drums, 20 L pails

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