

## **ANTI-WEAR HYDRAULIC OIL**

**PRODUCT CODE: 63380, 33415, 33420, 33430, 33440**

### **DESCRIPTION**

49 NORTH® AW HYDRAULIC OILS are a top quality low-zinc anti-wear hydraulic oil designed for use in hydraulic systems ranging from simple to the latest in high technology and high performance.

### **QUALITIES**

49 NORTH® AW HYDRAULIC OILS are blended with high quality base oils having excellent stability and quality, balanced additive system that provides oxidation and thermal stability, anti-rust, demulsibility, anti-wear, and anti-foam characteristics. The zinc type anti-wear agent used in these oils helps minimize wear in high speed, high pressure, vane and gear pumps while meeting the lubrication requirements of axial piston pumps having bronze and steel metallurgy. 49 NORTH® AW HYDRAULIC OILS are highly stable under thermal or oxidative stress and are exceptionally stable when in the presence of moisture, showing little tendency to hydrolyze and attack copper, and preventing filter plugging, extending drain intervals.

### **APPLICATIONS**

49 NORTH® AW HYDRAULIC OILS are recommended for the most severe operating pressure applications and exceed the following manufacturer's performance levels:

- 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 136, 127
- DIN 51524, Part 2

### **FEATURES & BENEFITS**

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

Provides excellent oxidation and thermal stability for longer drain intervals

Reduced maintenance due to outstanding rust prevention capabilities

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

Special anti-foam agent assures the proper functioning of the system

ASTM D-943 Oxidation Test: Exceeds 2000 Hours

### **CONTACT**

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6611 - 45 Street  
Leduc, Alberta  
Canada T9E 7E3



**TYPICAL PROPERTIES**

ISO Viscosity Grade	22	32	46	68	100
Product Code	63380	33415	33420	33430	33440
API Gravity (ASTM D-1298)	32.5	30.5	29.6	29.0	28.5
Pour Point (ASTM D-97), °F (°C)	-40 (-40)	-25 (-32)	-20 (-29)	-20 (-29)	-10 (-23)
Flash Point (ASTM D-92), °F (°C)	400 (205)	405 (207)	410 (210)	435 (224)	440 (227)
Rust (ASTM D-665)	Pass	Pass	Pass	Pass	Pass
Oxidation (ASTM D-943), Hours	2000+	2000+	2000+	2000+	2000+
Viscosity					
cSt @ 40 °C	20.7	30.2	45.3	66.0	96.3
cSt @ 100 °C	4.14	5.18	6.70	8.56	11.1
SUS @ 40 °C	101	142	211	306	446
SUS @ 100 °C	39.9	43.3	48.1	54.3	63.1
Viscosity Index	100	100	100	100	100

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

**PACKAGE SIZES**

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

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