

## **TENAX HD DRIVE TRAIN FLUID**

**PRODUCT CODE: 1711, 1713, 1715**

### **DESCRIPTION**

49 NORTH® TENAX DRIVE TRAIN FLUIDS are a heavy duty transmission fluid that is specially formulated to meet the Caterpillar TO-4 and Allison C-4 requirements.

### **QUALITIES**

49 NORTH® TENAX DRIVE TRAIN FLUIDS contain high quality paraffinic base oils and a highly specialized additive system that, together, provide the frictional properties, material compatibility, and overall performance level required to meet performance requirements for transmissions in heavy duty equipment. Superior oxidation stability and detergency protect the present generation of high performance and high temperature transmissions against premature wear, sludge, and varnish formation.

### **APPLICATIONS**

49 NORTH® TENAX DRIVE TRAIN FLUIDS are recommended for all Caterpillar and Allison automatic or power shift transmissions in heavy duty equipment. 49 NORTH® TENAX DRIVE TRAIN FLUIDS must be used in Caterpillar power shift transmissions requiring the TO-4 performance specification oil.

- Caterpillar TO-4 (TO-2 backwards compatible)
- Allison C-4 (C-3)
- Hydraulic systems requiring a 10W hydraulic fluid
- Construction equipment such as dozers, tractors, skidders, and loaders

### **FEATURES & BENEFITS**

Improved frictional characteristics and materials compatibility provides longer life and better performance.

Superior wear and corrosion protection extends equipment life.

Excellent stability provides consistent operation throughout the drain interval.

Oxidation inhibitors and additives control sludge, leading to long fluid life.

Recommended to maintain warranty coverage.

### **CONTACT**

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**TYPICAL PROPERTIES**

SAE Viscosity Grade	10W	30	50
Product Code	1711	1713	1715
API Gravity (ASTM D-1298)	28.4	27.0	26.6
Pour Point (ASTM D-97), °C	-35	-30	-20
Viscosity			
cSt @ 40 °C	36.3	97.7	215.0
cSt @ 100 °C	5.8	11.2	18.7
Viscosity Index	100	100	100
Calcium, wt%	0.31	0.31	0.31
Zinc, wt%	0.124	0.124	0.124
Sulfated Ash, wt%	1.2	1.2	1.2
Phosphorus, wt%	0.111	0.111	0.111
Total Base Number	7.6	7.6	7.6

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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