



HYDREX™ DT HYDRAULIC FLUID

Introduction

Petro-Canada's HYDREX DT fluid is a special anti-wear, detergent/dispersant hydraulic fluid containing the same anti-wear and anti-oxidant chemistry as our HYDREX AW line of hydraulic fluids. However, it also contains a detergent/dispersant package to keep systems clean.

HYDREX DT fluid starts with the patented HT purity process to produce a 99.9% pure, crystal clear base oil. By removing the impurities that can hinder the performance of competitive conventional oils, and blending in our specialty additives, HYDREX DT fluid delivers maximum performance.

Features and Benefits

- **Contains special detergent intended for use in hydraulic systems that are prone to contamination**
- **Same superior anti-wear protection as our HYDREX AW Hydraulic Fluid**
 - Extends equipment life
 - Protects equipment being driven longer, harder and faster in tougher conditions
 - Improves operating reliability over a wide range of pressures

- **Outstanding oxidation and thermal stability**
 - Long-lasting oil life which helps extend the time between oil changes
 - Minimizes harmful sludge and varnish deposits to ensure smooth reliable operation of hydraulic valves and actuators
- **Excellent water separability and hydrolytic stability allows oil to be reused**
 - Oil separates readily from water without loss of performance additive
- **Improved foam and air entrainment performance**
 - Prevents overflowing of reservoirs
 - Eliminates "sponginess" from hydraulic systems and prevents pump cavitation

Applications

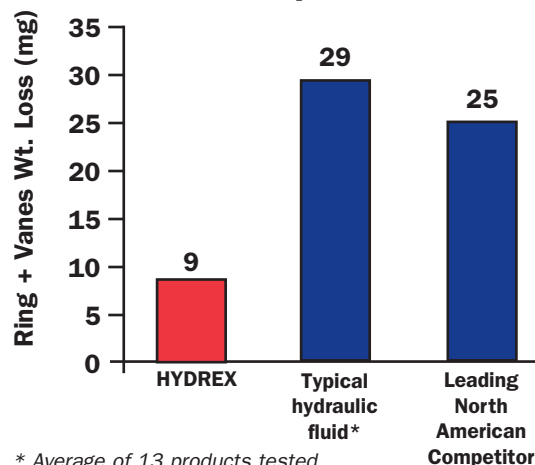
HYDREX DT fluid is intended for use in hydraulic systems that are prone to contamination.

What is the HT difference?

Petro-Canada starts with the patented HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



**Vickers 35VQ25 Hydraulic Pump Wear
Test Comparison**



Typical Performance Data

PROPERTY	TEST METHOD	HYDREX DT 46
Viscosity, cSt @ 40°C	D445	46.2
cSt @ 100°C		6.9
SUS @ 100°F		238
SUS @ 210°F		49.0
Viscosity Index	D2270	105
Flash Point, °C / °F	D92	225/437
Pour Point, °C / °F	D5950	-30/-22
Oxidation Stability, hours	D943	4500+
Four-Ball Wear Test, Scar Diam. (mm)	D4172	0.47
Dielectric Breakdown Voltage, kV	D877	43
Copper Corrosion, 3 hr, 100°C	D130	1a
RPVOT (min to a 25 psi drop)	D2272	607
Water Separability, 54°C / 129°F mL water (minutes)	D1401	40-40-0 (20)

The values quoted above are typical of normal production. They do not constitute a specification.

Health and Safety

Petro-Canada HYDREX DT has no adverse affect on health provided it is used as directed. To obtain Material Safety Data Sheets (MSDS), contact one of our TechData Info Lines.

TechData Info Lines

If you would like to know more about Petro-Canada HYDREX DT, or any other product in our complete line of quality lubricants, please contact us at:

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Beyond today's standards.

