



LUBRICANTS

A HOLLYFRONTIER BUSINESS

# TECH DATA

## 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 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**

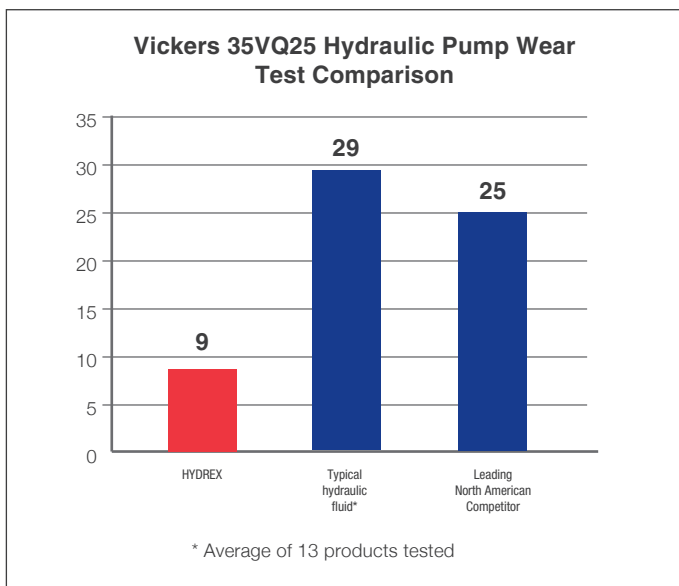
- Oil separates readily from water without loss of performance additive

**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.



Petro-Canada Lubricants starts with the 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.



## 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.

Learn more about us: [lubricants.petro-canada.com](http://lubricants.petro-canada.com)

Contact us: [lubecsr@petrocanadalsp.com](mailto:lubecsr@petrocanadalsp.com)

Committed to the disciplined operation of our business.



**Petro-Canada Lubricants Inc.**

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