



## 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

#### What is the HT difference?

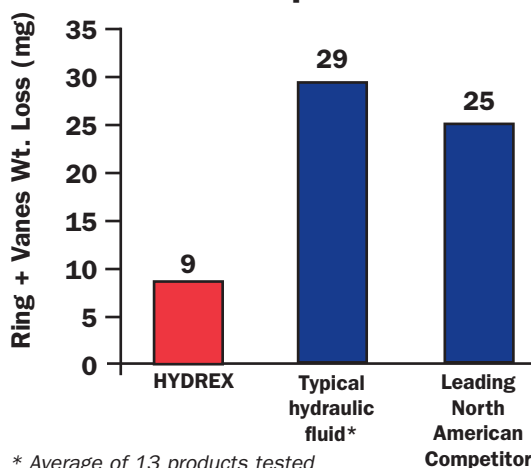
Petro-Canada starts with the HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



### Applications

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

### 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 are an existing customer looking to place an order, please call a Customer Order Management Representative at:

**Canada (English)** . . . . . Phone 1-800-268-5850  
**(French)** . . . . . Phone 1-800-576-1686  
**United States** . . . . . Phone 1-877-730-2369  
**Latin America/Europe/Asia** . . . . Phone +1-866-957-4444

You can also e-mail us at [lubecsr@suncor.com](mailto:lubecsr@suncor.com)



If you would like to become a Petro-Canada lubricants customer and require more information about specialty fluids, oils and greases that can help maximize your equipment performance, savings and productivity, please contact us at:

**North America** . . . . . Phone 1-866-335-3369  
**Europe** . . . . . Phone +44 (0) 121-781-7264  
**Germany** . . . . . Phone +49 (0) 201-726-2913  
**China** . . . . . Phone +86 (21) 6362-0066

Visit us on the web at [lubricants.petro-canada.com](http://lubricants.petro-canada.com)

IM-7964E (2012.02)

Petro-Canada is a Suncor business  
™Trademark of Suncor Energy Inc. Used under licence.

Beyond today's standards.

