

# Technical Data

## TOTAL SERVICE SERIES

## PX HVI HYDRAULIC OIL 46

### Product Description

PX HVI Hydraulic Oil 46 is premium anti-wear hydraulic oil, made from high VI base oils fortified with shear stable viscosity index improvers, rust, oxidation and foam inhibitors and anti-wear additives. The temperature capability of this product makes it suitable for use in hydraulic systems requiring viscosity stable anti-wear oils. Systems particularly suited to PX HVI Hydraulic oil are those which malfunction when internal pump leakage occurs causing oil viscosity loss, which in turn creates oil pressure loss. This product retains oil viscosity under high stress; high temperature conditions and minimizes oil pressure loss allowing equipment to operate correctly.

### Applications/ Benefits

- For use in hydraulic systems requiring viscosity stable anti-wear oils.
- Suitable for systems which malfunction when internal pump leakage occurs due to oil viscosity loss which in turn creates oil pressure loss.
- Also for other systems where wear rates are high with conventional oils.
- Offers a higher viscosity index compared to standard hydraulic oils.
- For use in hydraulic systems requiring anti-wear oils, particularly systems with vane pumps operating at pump pressure above 7MPa (1000 psi) and speeds above 1200 rpm.

### Typical Characteristics

Test Description	Result
Specific Gravity @ 15 0 C	0.87
Flash Point, Deg. C	214
Pour Point, Deg. C	-18
@ 40C (cSt)	46
@ 100 0 C (cSt)	8.0
Viscosity Index	156 typical

### Specifications

ISO 46	DIN 51524 Part 2	Denison HF-1, HF-2, HF-0
Lee-Norse 100-1	Ford M-6C32	US Steel 136, 127
Cincinnati Milacron P-68, P-69, P70	Jeffery No. 87	B F Goodrich 0152
Racine, variable volume vane pumps	General Motors LH-04-1, LH-06-1, LH-15-1	
Vickers V-104C & 35VQ25 vane, 1-286-S, M2950-S	Commercial Hydraulics (except PM500 )	AFNOR E48-603

The information contained in this Product Data Sheet is accurate at the time of printing and is subject to change without prior notice.



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