

PRODUCT DATA SHEET

HYDRAPLUS AWP

HYDRAPLUS AWP fluids are a high-quality mineral oil based hydraulic fluid which offers higher thermal stability and lower sludge formation compared to conventional hydraulic fluids with selected additives to improve fluid properties.

HYDRAPLUS AWP fluids have been developed for hydraulic systems operating at a broad and extreme range of temperatures and in demanding environments.

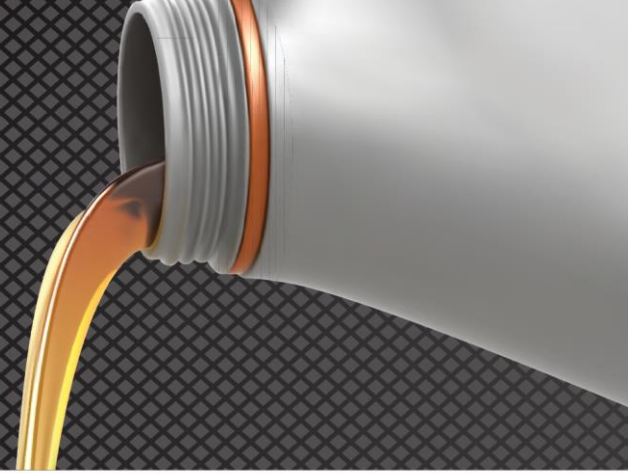
HYDRAPLUS AWP fluids offer low & high temperature flow stability, retention of viscosity, wear and ageing protection, corrosion prevention and critically the ability to effectively transfer the desired pressure through the system so even in the most extreme operating environments the hydraulic fluid acts appropriately and equipment functionality is maintained.

HYDRAPLUS AWP is water white in appearance, allowing the user to dye the hydraulic oil for rapid identification of potential leaks in hoses and machinery, therefore reducing machinery down time.

The use of incorrect fluids that are unable to cope with its surrounding fluctuation in temperatures can result in sluggish pressure transfer, seal voiding, dry bearing run and even system failure. Always check manufactures specification to make sure the correct oil is used.

PRODUCT BENEFITS:

- Extended wear protection due to excellent anti-wear performance
- Increased equipment reliability due to exceptional hydrolytic stability
- Outstanding oxidation stability aiding in the prevention of sludge and varnish deposits.
- Enhanced protection and extended life of yellow metal parts of equipment
- No excessive viscosity loss due to mechanical shearing; high viscosity index and low pour point
- Cleaner system due to good filterability
- Up to 8000 hours service life with regular conditioning monitoring



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HYDRAPLUS AWP meet or exceed the performance requirements of the following specifications:

AIST 126; 127 (US STEEL)

ANSI/AGMA 9005-E02-RO

ASTM D 6158; D 6158-05

Bosch Rexroth RD/E 90235

Cincinnati Machine P-68, P-69 & P-70

DIN:51524 Part II (HLP); Part III (HVLP)

Eaton E-FDGN-TB002-E

Eaton M-2950-S (35VQ25 pump test)

GM LS-2

ISO 11158 categories HH, HL, HM, HR and HV

ISO 20763 Conestoga vane pump test

JCMAS P041 HK Hydraulic Specification

Parker (Denison) HF-0, HF-1 and HF-2

SAE MS1004 (HV)

Swedish Standard SS 15 54 34 AM

Vickers I-286-S3 (Industrial equipment)

TYPICAL PROPERTIES:

ISO	32	46	68	100
Density @ 15°C	0.870	0.87	0.88	0.89
Viscosity @ 40°C (cSt)	32	46	68	100
Viscosity @ 100°C (cSt)	6.5	8.4	11.3	13.5
Viscosity Index	>150	>150	>150	>130
Closed Flash Point (°C)	215	215	215	215
Pour Point (°C)	-38	-35	-35	-32
FZG Gear Scuffing Test-A/8.3/90	11	12	12	12
Air Release Value (mins)	4	8	8	12
Rust Test- Distilled Water (24 hrs)	Pass	Pass	Pass	Pass
Foam Sequence 1 (ml)	20/0	20/0	20/0	20/0
Water Separability @ 54°C (mins)	10	15	15	N/A

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