



# PRODUCT INFORMATION

FROM THE HOUSE OF PETRELPLUS INC.

## HYDROPLUS AW 32,46,68,100,150

### Product Description

HYDROPLUS Hydraulic AW Series are premium high performance oils intended for industrial and HYDROPLUS service where anti-wear lubricants are required. The HYDROPLUS Hydraulic AW Series oils are designed to satisfy the performance requirements for a wide range of hydraulic components in systems subjected to high-pressure, high-temperature operating environments. Their high level of resistance to oxidation and good thermal stability characteristics help reduce deposit formation and help prevent sluggish system operation. They provide good protection against rust and corrosion in high humidity operations or where low levels of moisture are unavoidable. They separate water readily and have very good air release properties. These products meet the performance requirements of a wide range of hydraulic system and component OEM's and are compatible with the pump and component metallurgy used by various manufacturers.

The HYDROPLUS Hydraulic AW Series oils are formulated with high quality base stocks and a carefully selected additive system that result in finished products that provide many desirable features to improve and prolong equipment life. They are designed to work with systems operating under moderate to severe conditions where a high level of anti-wear protection is needed, yet they are suitable for use in many systems where non-anti-wear hydraulic oils are generally recommended.

The HYDROPLUS Hydraulic AW Series oils provide outstanding performance in a range of equipment operating under moderate to severe conditions. Their excellent oxidation resistance allows extension of oil and filter change intervals while assuring clean systems. Their high level of anti-wear protection and excellent film strength characteristics result in exceptional equipment performance that not only results in fewer breakdowns but helps improve production capacity. Their controlled demulsibility permits the oils to work well in systems contaminated with small amounts of water yet readily separate large amounts of water.

### PERFORMANCE STANDARDS

IS 10522 : 1983  
DIN 51524 Part 2 HLP  
Dennison HF -2  
Vickers I-286-S  
CINCINNATI MILACRON P 68,P69,P70

### PERFORMANCE BENEFITS

- Advance anti wear performance.
- Better surface properties reduce oil carryover.
- Good liquid and vapour phase rust protection.
- Provide long stand equipment life extends filter life.

### Typical Properties

HYDROPLUS Hydraulic AW Series	HYDROPLUS AW 32	HYDROPLUS AW 46	HYDROPLUS AW 68	HYDROPLUS AW 100	HYDROPLUS AW 150
ISO Viscosity Grade	32	46	68	100	150
cSt @ 40°C	31	45.5	66.67	98	148
cSt @ 100°C	5.4	6.7	8.5	11.1	14.6
Viscosity Index, ASTM D 2270, (min)	95	95	95	95	95
Rust Characteristics, ASTM D 665B	Pass	Pass	Pass	Pass	Pass
TOST Life to 2 NN, ASTM D 943, hrs (min)	1000	1500	1500	1500	1000
Pour Point, °C, ASTM D 97 (max)	-18	-18	-12	-12	-12
Flash Point, °C, ASTM D 92 (min)	220	222	232	232	240
Emulsion, Time to 3 ml Emulsion @ 54°C, ASTM D 1401, minutes (max)	30	30	30	30	30
Density 29°C, ASTM D 1298, kg/L	0.872	0.876	0.882	0.884	0.887

**Available Pack : 20, 50, 210 ltr.**

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.

The Material Safety Data Sheet (MSDS) are available upon request through our sales office.

\* All related specifications are meets or exceeds.

**PETRELPLUS INC.**

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