



# Peregrine

## Additives & Lubes

### **PAL HYFLUID AW** High Quality Anti-wear Hydraulic Fluids

Last Revision: 29/07/19

#### **Description**

PAL HYFLUID AW Series are manufactured from highly refined paraffinic base oils and fortified with some of the best additives available. They are available in a wide range of viscosities for different operating requirements and provide superior wear protection, rust and corrosion inhibition, improved oxidation resistance and thermal stability. Good foam suppression and excellent water separation characteristics ensure efficient hydraulic operation, including those systems with high circulation rate and low residence time.

HYFLUID AW Series meets the requirements of many major industrial specifications and hydraulic pump manufacturers.

#### **Performance Standards**

ASTM D6158 (HM)	ISO 11158 (HM)
AGMA 9005-E02-RO	JCMAS P041 HK Hydraulic specification
AIST 126 & 127	MAG P-68, P-69, P-70 (HM)
Bosch Rexroth RE 90220	Parker HF-0, HF-1, HF-2 (HM)
DIN 51524-2	SEB 181222
Eaton M-2950-S & I-286-S3	SAE MS 1004
GM LS 2	

#### **Features**

- High resistance to oxidation gives long oil service life.
- Outstanding wear protection means long equipment life in even severe services.
- Excellent filterability and water performance.
- Foam inhibition reduces the danger of pump failure due to cavitation.
- Reduce maintenance costs due to less frequent oil changes.
- Excellent air release capability
- Protect against rust and corrosion
- A versatile product, which can be widely used in many different industrial applications to reduce inventory cost.

**6318 Union Ave.  
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318-222-8787**



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### Applications

- Recommended for a wide variety of high-pressure mobile and stationary hydraulic systems utilizing vane, piston or gear pumps.
- Suitable for hydraulic systems operating over 1000 psi requiring anti-wear protection for the pump parts.
- Widely used in machine tools, presses, die casting machines, circulating systems and hydraulic control systems.

### Typical Properties

ISO VG	22	32	46	68	100	150	220
Density@15°C, kg/L	0.860	0.865	0.868	0.875	0.880	0.893	0.896
Colour ASTM	0.5	0.5	1.0	1.0	2.0	2.5	2.5
Viscosity@40°C, cSt	21.9	30.6	45.5	65.7	96.5	147	220
Viscosity@100°C, cSt	4.3	5.3	6.7	8.5	11.0	14.5	18.9
Viscosity Index	101	106	99	99	98	97	96
Flash Point, °C, COC	190	218	226	228	236	240	248
Pour Point, °C	-36	-33	-27	-21	-15	-12	-12
FZG (ASTM D5182, load stage)	---	10	10	12	12	12	12
Rust Prevention	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Copper Corrosion	1a	1a	1a	1a	1a	1a	1a
Emulsion Characteristics (time to 40-40-0) minutes	5	5	10	10	10	15	15

Typical values do not constitute as specifications. Due to continual product research and development, the information contained herein is subjected to change without notification

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