

## PURUS® PREMIUM AW HYDRAULIC OILS

**Manufactured with highly refined base oils**

**DESCRIPTION:** PURUS® Premium AW Hydraulic Oils are premium-quality anti-wear hydraulic oils with excellent stability, designed to meet the most stringent requirements of most all major manufacturers and users of hydraulic equipment. These oils are characterized by outstanding rust protection, low deposit formation, good demulsibility, rapid release of entrained air, oxidation resistance, low pour points and good anti-foam properties. They also contain an effective anti-wear agent that helps reduce wear in high-speed, high-pressure vane and gear pumps. AW Hydraulic Oils are made from top quality base stocks and contain all the necessary additives.

**APPLICATION:** PURUS® Premium AW Hydraulic Oils are recommended for use in vane, gear and piston pumps operated above 3000 psi. These anti-wear hydraulic oils are very effective in reducing vane and gear pump wear and greatly extend the life of systems operating at high loads, speeds and temperatures.

Engineered against the requirements of: Parker (formerly Denison) HF-0, HF-1, HF-2, Eaton E-FDGN-TB002-E, Bosch Rexroth RDE 90220, DIN 51524 Part II (HM), ISO 11158 (HM), ASTM D6158, AIST 126, 127, SAE MS 1004 (HM), Husky Plastic Injection HS207, GM LS2, JCMAS P041 HK, SEB 181222 and Fives Cincinnati P-68, P-69, P-70.

**PERFORMANCE BENEFITS:** PURUS® Premium AW Hydraulic Oils are particularly well suited for all industrial and mobile hydraulic system applications. These products satisfy the requirements of major hydraulic equipment manufacturers and are suitable for all types of hydraulic pumps except for the very small number of pumps containing silver plated parts which still require non-zinc oils.

- Excellent oxidation protection up to 7,000 hours
- Rapid release of any entrained air
- Excellent wear and scuffing protection
- Excellent rust and corrosion protection
- Easy filterability
- Supports improved customer operational productivity by allowing for extended drain intervals, low wear rates in critical components, superb reliability, excellent water separating performance and reduced downtime in critical equipment.
- Allows for consolidation of hydraulic fluid application to help reduce misapplication and allow for excellent protection of hydraulic pumps and systems against a wide range of OEM requirements.
- Non-Conductive (Note: Dielectric strength and conductivity value applies at “point of manufacture” of packaged product from AIOD manufacturing facility and will change if oil becomes contaminated with dirt or even a small amount of water)

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### TYPICAL PROPERTIES±:

	22	32	46	68	100
SAE Viscosity Grade	5W	10W	20W	20W	30W
Specific Gravity	0.854	0.862	0.865	0.867	0.868
Flash Point Deg °F (°C)	415(213)	411 (211)	444 (229)	465(241)	516 (269)
Pour Point Deg °C.	-49	-40	-37	-36	-35
Appearance	Light Pale	Light Pale	Light Pale	Light Pale	Light Pale
Viscosity					
@ 40 Deg. °C, cSt	22	32	46	68	100
@100 Deg. °C, cSt	4.35	5.53	7.02	9.15	11.9
Viscosity Index	105	109	110	110	109
Gravity, API	34.2	32.8	32.3	31.9	31.6
Non-Conductive, 25kV minimum	30*	30*	30*	30*	30*
Rust Test, ASTM D665	Pass	Pass	Pass	Pass	Pass
Oxidation ASTM D-943 (hours)	7000	7000	7000	7000	7000

\*Dielectric strength will decrease if the oil becomes contaminated with dirt or even a very small amount of water.

	Bulk	Tote	Drum	Pail	2.5 Gallon
AW 22	17334	PHD57334	PHD17334	PHD27334	
AW 32	17168	PHD57168	PHD17168	PHD27168	PHD00445
AW 46	17169	PHD5169	PHD17169	PHD27169	PHD00447
AW 68	17170	PHD57170	PHD17170	PHD27170	PHD00449
AW 100	17102	PHD57102	PHD17102	PHD27102	

±Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly. Minor variations in product typical test data are to be expected in normal manufacturing.



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