

PURUS[®]

CUT THE COST, NOT THE QUALITY.

"YOU CAN TAKE IT TO THE LAB."



PURUS[®] PREMIUM AW HYDRAULIC 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.

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, Fives Cincinnati P-68, P-69, P-70 and applications requiring 400PPM of Zinc.

PURUS[®] Premium AW Hydraulic Oils are purpose built to meet these industry drivers and challenges:

- Higher Hydraulic System Pressures & Equipment Reliability Demands
- Extended Service Life & Reduced Maintenance Costs
- Moisture Contamination & Multi-OEM Hydraulic Compatibility

PERFORMANCE BENEFITS

INDUSTRY DRIVERS	PURUS SUPPORTING TECHNOLOGY	PURUS BENEFITS & ADVANTAGES
Higher Hydraulic System Pressures & Equipment Reliability Demands	<ul style="list-style-type: none"> • Anti-wear (AW) additive technology • High-pressure vane, gear, and piston pump protection • Excellent wear and scuffing resistance 	<ul style="list-style-type: none"> • Reduces wear in high-speed, high-pressure hydraulic pumps operating above 3000 psi • Extends hydraulic component and pump life • Improves system reliability in demanding industrial and mobile applications • Helps minimize costly equipment failures and downtime
Extended Service Life & Reduced Maintenance Costs	<ul style="list-style-type: none"> • Excellent oxidation resistance up to 7,000 hours • Low deposit formation • Rapid air release and anti-foam performance 	<ul style="list-style-type: none"> • Supports extended drain intervals and lower maintenance frequency • Maintains cleaner hydraulic systems with fewer deposits and varnish issues • Reduces downtime and improves operational productivity • Enhances overall equipment uptime and fluid longevity
Moisture Contamination & Multi-OEM Hydraulic Compatibility	<ul style="list-style-type: none"> • Outstanding rust and corrosion protection • Excellent demulsibility and water separation • Broad OEM approvals and application coverage 	<ul style="list-style-type: none"> • Protects hydraulic systems from rust, corrosion, and water contamination • Allows consolidation of hydraulic fluids across multiple equipment types • Helps reduce lubricant misapplication and inventory complexity • Provides reliable performance across industrial, mobile, and heavy-duty equipment

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TYPICAL PROPERTIES*

AW	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
Viscosity @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



*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.

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PRODUCT	2.5 GAL	5 GAL PAIL	DRUM	TOTE	BULK
AW 22		PHD27334	PHD17334	PHD57334	17334
AW 32	PHD00445	PHD27168	PHD17168	PHD57168	17168
AW 46	PHD00447	PHD27169	PHD17169	PHD57169	17169
AW 68	PHD00449	PHD27170	PHD17170	PHD57170	17170
AW 100		PHD27102	PHD17102	PHD57102	17102