

PURUS®

CUT THE COST, NOT THE QUALITY.

“YOU CAN TAKE IT TO THE LAB.”



PURUS® MULTI-VISCOSITY AW HYDRAULIC OILS



DESCRIPTION

PURUS® Multi-Viscosity AW Hydraulic Oils are premium-quality anti-wear hydraulic oils with outstanding cold temperature flow properties. These products are formulated for use in hydraulic systems and pumps, operating under widely varying conditions and temperatures. PURUS® Multi-Viscosity AW Premium Hydraulic Oils are characterized by outstanding rust protection, low deposit formation, rapid demulsibility and release of entrained air, oxidation resistance, low pour points and excellent anti-foam properties. They also contain an effective anti-wear agent that helps reduce wear in high-speed, high-pressure vane and gear pumps.

Meets the requirements of Parker (formerly Denison) HF-0, HF-1, HF-2, Eaton E-FDGN-TB002-E, Bosch Rexroth RDE 90235, DIN 51524 Part III (HV), ISO 11158 (HV), ASTM D6158, AIST 126, 127, SAE MS 1004 (HV), GM LS2, JCMAS P041 HK and SEB 181222. Passes Eaton 35VQ25 and V104C (ASTM D2882 and ISO 20763) vane pump tests and Denison T6H20C hybrid vane/piston pump test. Suitable for use in applications which cite former or obsolete specifications such as Fives Cincinnati P-68, P-69, P-70 and Bosch Rexroth RDE 90220.

PURUS® Multi-Viscosity AW Hydraulic Oils are purpose built to meet these industry drivers and challenges:

- Cold Weather Hydraulic Performance & Year-Round Operation
- Increased Hydraulic System Reliability & Component Protection
- Water Contamination & Multi-OEM Equipment Compatibility

PERFORMANCE BENEFITS

INDUSTRY DRIVERS	PURUS SUPPORTING TECHNOLOGY	PURUS BENEFITS & ADVANTAGES
Cold Weather Hydraulic Performance & Year-Round Operation	<ul style="list-style-type: none"> • Outstanding cold temperature flow properties • Low pour points down to -51°C • Multi-viscosity formulation with high viscosity index 	<ul style="list-style-type: none"> • Provides rapid hydraulic response during cold starts • Maintains smooth operation across widely varying temperatures • Reduces startup wear in cold climates and refrigerated environments • Ideal for mobile equipment and forklifts operating in cold storage warehouses
Increased Hydraulic System Reliability & Component Protection	<ul style="list-style-type: none"> • Anti-wear additive technology • Excellent shear stability • Oxidation and thermal stability 	<ul style="list-style-type: none"> • Reduces wear in high-speed, high-pressure vane and gear pumps • Maintains viscosity stability under severe operating conditions • Extends hydraulic pump and component life • Improves reliability and reduces unplanned downtime
Water Contamination & Multi-OEM Equipment Compatibility	<ul style="list-style-type: none"> • Rapid demulsibility and air release • Rust and corrosion protection • Broad OEM approvals and hydraulic test performance 	<ul style="list-style-type: none"> • Separates water quickly to help protect hydraulic components • Prevents corrosion and oxidation in demanding environments • Supports a wide variety of OEM hydraulic system requirements • Simplifies inventory management across mixed fleets and equipment

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TYPICAL PROPERTIES*

AW	22 MV	32 MV	46 MV	68 MV	100 MV
ISO Viscosity Grade	22	32	46	68	100
Specific Gravity	0.86	0.87	0.88	0.88	0.88
Flash Point Deg °F (°C)	> 365 (>185)	412 (211)	446 (230)	466 (241)	> 365 (>185)
Pour Point Deg °C.	-51	-46	-44	-40	-39
Color	1.5-2	1.5-2	1.5-2	1.5-2	1.5-2
Viscosity @ 40 Deg. °C, cSt	22	32	46	68	100
Viscosity @100 Deg. °C, cSt	4	6.25	8.14	10.93	14
Viscosity Index	153	149	148	150	129
Rust Test, ASTM D665	Pass	Pass	Pass	Pass	Pass
Dielectric Strength, kV	30+*	30+*	30+*	30+*	30+*

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



*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.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all of our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either AIOD or its affiliates for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult your local AIOD Distributor if you require any further information.

PRODUCT	5 GAL PAIL	DRUM	TOTE	BULK
AW 22	PHD27178	PHD17178	PHD57178	17178
AW 32	PHD27179	PHD17179	PHD57179	17179
AW 46	PHD27180	PHD17180	PHD57180	17180
AW 68	PHD27181	PHD17181	PHD57181	17181
AW 100	PHD27182	PHD17182	PHD57182	17182