

PURUS® MULIT-VISCOSITY AW PREMIUM HYDRAULIC OILS

Manufactured with highly refined base oils

DESCRIPTION: **PURUS® Mult-Viscosity AW Premium 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® Mult-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.

PURUS® Mult-Viscosity AW Premium Hydraulic Oils are recommended for use in both mobile and stationary hydraulic systems operating under extremely cold ambient temperatures. These products are also recommended for hydraulic systems of forklifts operating in cold storage warehouses.

APPLICATION: Fives Cincinnati (formerly MAG Cincinnati, Cincinnati Machine, Cincinnati Milacron), Hagglunds-Denison HF-0 and HF-2, Vickers M-2950-S and I-286-S, exceeds Vickers 35VQ25 and V104C (ASTM D2882) vane pump tests, and Denison P-46 piston pump and T-6C vane pump tests. Meets the requirements of DIN 51524 Part 3 and Bosch Rexroth RD/RE 90220-1 (except AW 100 MV Hydraulic Fluid).

PERFORMANCE BENEFITS:

- Outstanding cold temperature flow properties and rapid release of any entrained air
- Oxidation and thermal stability for long life and excellent rust and corrosion protection
- Excellent shear stability
- *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)

TYPICAL PROPERTIES*:

	AW 22	AW 32	AW 46	AW 68	AW 100
	MV	MV	MV	MV	MV
ISO Viscosity Grade	22	32	46	68	100
Specific Gravity	0.863	0.862	0.857	0.88	0.878
Flash Point °F (°C)	401 (205)	401 (205)	400 (204)	428 (220)	435 (224)
Pour Point °F.	-50	-50	-60	-42	-38
Color	<0.5	<0.5	<0.5	<0.5	<0.5
Viscosity					
@ 40 . °C, cSt	22	32	46.6	68	100
@ 100 . °C, cSt	4.75	6.26	8.46	10.5	13.3
Viscosity Index	140	150	160	140	134
Rust Test, ASTM D665	Pass	Pass	Pass	Pass	Pass
Dielectric Strength, kV	35+*	35+*	35+*	35+*	35+*



Updated: 12/2017

PINAWHYDMV

† 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.