

PURUS® MULTI-VISCOSITY AW HYDRAULIC OILS

Manufactured with highly refined base 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.

APPLICATION: PURUS® Multi-Viscosity AW 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.

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.

**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).

Revised: 11/2022

PINAWHYDMV pg 1

PURUS® MULTI-VISCOSITY AW HYDRAULIC OILS

Manufactured with highly refined base oils

TYPICAL PROPERTIES±:

	AW 22 MV	AW 32 MV	AW 46 MV	AW 68 MV	AW 100 MV
ISO Viscosity Grade	22	32	46	68	100
Specific Gravity	0.86	0.87	0.88	0.88	0.88
Flash Point °F (°C)	> 365 (>185)	412 (211)	446 (230)	466 (241)	> 365 (>185)
Pour Point °C	-51	-46	-44	-40	-39
Color	1.5-2	1.5-2	1.5-2	1.5-2	1.5-2
Viscosity					
@ 40°C, cSt	22	32	46	68	100
@ 100°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. Minor variations in product typical test data are to be expected in normal manufacturing



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 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.

Revised: 11/2022

PINAWHYDMV pg 2