

Ashless Premium AW Synthetic Hydraulic Fluids

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AMALIE Ashless Premium AW Synthetic Hydraulic Fluids are formulated to provide high performance in environmentally sensitive applications such as forestry or logging. They contain an Ashless zinc free additive system designed to provide excellent yellow metal protection, rust and corrosion inhibition, and superior anti-wear capabilities.

AMALIE Ashless Premium AW Synthetic Hydraulic Fluids are inherently biodegradable per OECD 301B and are considered non-toxic to aquatic life per OECD 203. They may be used in high-pressure hydraulic pumps and gears used in either mobile or stationary equipment.

Benefits

- Compatible with Zinc-Containing and Ashless Mineral Oil-Based Hydraulic Fluids
- Excellent Sludge and Varnish Protection
- Improved Filterability
- Superior Oxidation and Hydrolytic Stability

Typical Physical and Chemical Properties

Viscosity Grade	32	46	68	100
API Gravity	37	36.5	35.5	34.5
Kinematic Viscosity @100°C, cSt	6	7.7	10.5	13.5
Kinematic Viscosity @40°C, cSt	32	46	68	100
Viscosity Index	135	135	135	140
Water Separation, ASTM D1401, minutes	<10	<10	<10	<10
Flash Point, °C	220	230	240	250
Pour Point, °C	-30	-24	-18	-15
Rust Prevention, ASTM D665 A/B	PASS	PASS	PASS	PASS
Oxidation Stability, ASTM D943, hrs	>8,000	>8,000	>8,000	>8,000

Typical values are listed. Variations not affecting the performance of this fluid may occur during production.

Applications

AMALIE Ashless Premium AW Synthetic Hydraulic Fluids meet or exceed the requirements of the following Industry and OEM specifications: Denison HF-0, HF-1, HF-2, Eaton M-2950-S, 35VQ25, MAG P68, P69, P70, DIN 51524 part II, ISO 11158, ASTM D6158, SAE MS 1004, Bosch Rexroth RE 90220, Vickers.

Additional Information

Please use proper handling and care that you would use with any hydraulic fluid. Contact your AMALIE Sales Representative for SDS.