



PRODUCT BULLETIN

Ashless AW Hydraulic Fluid

Product # 120, 647, 648

CAM2 Ashless AW Hydraulic Fluids are high viscosity index hydraulic oil for use in mobile and industrial equipment operated in a wide range of temperate climates. Formulated with premium, high viscosity index base oils to provide long-life protection of critical parts for up to 5,000 hours. Extreme cleanliness, meets ISO 16/14/11, allows for use in high performance servos and long-life high pressure systems.

CAM2 Ashless AW Fluids are premium anti-wear hydraulic fluids with outstanding low temperature characteristics. They are specially formulated for use in mobile equipment hydraulic circuits where wide temperature ranges are encountered. (Cherry pickers, bucket trucks and marine hydraulics).

CAM2 Ashless AW Hydraulic oil also can be used for traditional in-plant hydraulic applications, and exceeds most industry hydraulic fluid specifications, including: Denison HF-2, HF-0 Commercial Shearing, Vickers, Sunstrand, Rexnord, and Cincinnati Milacron.

FEATURES

- **Excellent thermal stability-** contains the latest thermally stable zinc-free type additives, virtually eliminating the formation of heat-related sludging in electro-hydraulic servos associated with conventional zinc-type oils.
- **Long-life Protection up to 5000 hours***
- **Excellent rust protection**
- **Excellent anti-wear protection to pumps, motors, valves, and other hydraulic circuit components.**
- **Excellent antifoam protection**
- **Excellent multi-temperature applications**

APPLICATIONS

CA2 Ashless AW Hydraulic Oil may be recommended for applications when a premium quality, anti-wear hydraulic oil is required by equipment manufacturers. The oils meet the rigorous performance requirements including Denison HF-O and HF-2, Cincinnati Milacron P-68, P-69, and P-70, Vickers M-2950-S and 1-286-S, DIN 51524 (Part II, III), ANSI 9005-E02-RO, ASTM D6158, GM LS-2, and AIST 126,127. Passes Vickers 35VQ25 Pump Test.

CAM2 Ashless AW's provide excellent vane pump wear and protection. Extremely low pump part weight losses were encountered in the ASTM-D-2882 Vane Pump Wear Tests. Piston pump performance is also outstanding. No evidence of wear or distress was observed at the end of the 100.



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TYPICAL PROPERTIES

	32	46	68
SAE GRADE	32	46	68
Product Code	648	120	647
Viscosity @ 40°C, cSt	32.0	46.0	66.0
Viscosity @ 100°C, cSt	6.52	7.68	10.40
Viscosity Index	163	151	155
Flash Point: °F	350	390	390
Pour Point: °F	-49	-45	-40
Low Temperature Pumpability	Pass	Pass	Pass
Dielectric, min. KV	+35	+35	+35
Rust Test	Pass	Pass	Pass
ISO/DIS 4406, min rating	16/14/11	16/14/11	16/14/11

Results are typical characteristics, small variations may occur during normal operations.

Contact your CAM2 representative or CAM2 distributor for additional information.