PRODUCT BULLETIN
PROMAX AW Hydraulic Fluids

PRODUCT # 121, 138, 143, 144, 145, 649, 663

Cam 2 PROMAX Anti-Wear Hydraulic Fluids are general purpose hydraulic fluids formulated with refined paraffinic base oils to provide excellent anti-wear protection, oxidation and corrosion inhibition, as well as foam and aeration suppression. All grades have excellent demulsibility characteristics.

Hydraulic systems, due to the nature of their operation, experience accelerated wear unless they are protected by clean, high quality anti-wear hydraulic oils. Surging pressures in pumps and valves can increase metal-to-metal contact unless anti-wear protection is present. The anti-wear additives in PROMAX AW Hydraulic Fluids create a protective film on the metal surfaces. This protective film minimizes metal-to-metal contact, which is most severe in vane- and gear-type pumps. As hydraulic pressures increase, the need for anti-wear protection increases proportionally.

Specially formulated to suppress foaming while also allowing rapid air release, improving hydraulic system performance and helping to prevent pump cavitation. Oxidation inhibitors provide control of sludge and varnish deposits, and increase service life.

PROMAX AW Hydraulic Fluids are suitable for use where service requirements are light to moderate, and heavy-duty wear or long-term service is not critical, and is available in viscosity grades ISO 15 to ISO 150. When used in the proper grade, it will provide excellent service in hydraulic systems and air compressors, industrial bearings, hoists and machine tools, and circulating, splash, bath and ring lube systems for bearings and gears.

FEATURES

- **Good oxidation stability** — Provide good service life in high pressure service.
- **Rust and corrosion protection** — Excellent protection against corrosion of both copper and steel, and passes the ASTM D665A
- **Good foam inhibition** — Contain special foam suppressant, minimizing both foaming and aeration problems.
- **Excellent anti-wear properties**
- **Meets major pump manufacturer's requirements** — ISO 32, 46 and 68 meet the requirements of leading hydraulic pump manufacturers for anti-wear type hydraulic fluids in both vane- and piston-type pumps.
- **Good stability in the presence of water** by ASTM D2619 Hydrolytic Stability test and Denison Hybrid T6H20C Wet Pump test.
- **Good thermal stability** in the presence of copper and steel.
- **Fast water separation** — Minimize rust problems by fast release of water.

APPLICATIONS

CAM 2 PROMAX Hydraulic Oils have shown suitable performance for:

- Eaton-Vickers 694 for 35VQ25A (formerly M-2950-S (Mobile) and I-286-S (Stationary)) (ISO 32, 46, 68)
- Parker Hannifin (Denison) HF0/T6H20C (ISO 32, 46, 68)
- Bosch Rexroth Racine Model S (ISO 32, 46, 68)
- ASTM D6158 HM (ISO 32, 46, 68, 100, 150)
- DIN 51524-2 (ISO 32, 46, 68)
- ISO 11158 HM
- US Steel 126 and 127 (ISO 32, 46, 68)
- Fives P-68, P-69, P-70 (ISO 32, 46, 68)
- GM LS-2 (ISO 32, 46, 68)

CAM2 INTERNATIONAL, LLC
211 Violet Street Suite 100 • Golden, CO 80401 Telephone 800/338-2262 • Fax: 303/679-8988
www.CAM2.com

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TYPICAL CHARACTERISTICS

ISO Viscosity Grade	Test Method	15	22	32	46	68	100	150
Product Code		121	663	143	144	145	649	138
Viscosity, cSt @ 40°C	ASTM D-445	15	22	32	46	68	100	150
Viscosity Index	ASTM D-2270	>90	>90	>90	>90	>90	>90	>90
Pour Point, °C (°F)	ASTM 5949	-36 (-33)	-32 (-25)	-32 (-25)	-29 (-20)	-29 (-20)	-15 (+5)	-12 (+10)
Flash Point,(°C)	ASTM D-92	216	220	220	226	235	248	253
Color	ASTM D-1500	2.0 max	2.0 max	2.0 max	2.0 max	2.5 max	2.5 max	3.5 max
Oxidation Life Hrs to 2.0 Acid No	ASTM 943	-	-	>2500	>2500	>2500	>2000	>1500

The above characteristics are typical of current production. While production will conform to CAM2's specification, slight variations may occur and do not affect performance.

Special Handling, Notices, or Warnings

Avoid contact with skin. Rinse with soap and water immediately after skin contact.
This product is unlikely to present and significant health hazards.
Dispose of used oil properly.

For more information, contact your CAM2 Representative or visit our website @ www.CAM2.com

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