

ANTI-WEAR CIRCULATING OILS (AW)

DESCRIPTION

- **LubeRite AW** is a hydraulic system circulating oil with demonstrated "Universal" performance to meet severe requirements of hydraulic systems.

PROPERTIES

- Provides anti-wear characteristics to meet the needs of high-severity vane and piston pumps of hydraulic systems.
- Resistant to oxidation and sludging.
- Good hydrolytic stability preventing loss of anti-wear additive due to reaction with water.

TYPE

- Universal performance circulating oil.

GRADES

- ISO VG 15, 22, 32, 46, 68, 100, 150, 180
- SAE 10W, SAE 20W

APPLICATIONS

- High-pressured hydraulic pumps (Abex-Dension, Sperry Vickers, etc.)
- Can also be used for turbochargers, machine tools and mobile hydraulic equipment.
- **LubeRite AW 22** may be used for pneumatic lines and instruments.
- **LubeRite AW 150** may also be used as a lubricant for heavy-duty pneumatic tools (e.g. rock drills) and devices and may also be applied as a mist lubricant.

QUALITY LEVELS

- Denison HF-2, HF-0
- Cincinnati Machine P-68, P-69, and P-70
- Vickers M-2950-S
- Vickers I-286-S3
- DIN 51524, Part II
- AFNOR NFE 48-603 (HM)
- US Steel 126, 127

AVAILABLE PACKAGING

- 200-liter drum
- 20-liter pail

TYPICAL CHARACTERISTICS

	15	22	32	46	68	100	150	180	SAE 10W	SAE 20W
Specific Gravity at 15.6°C	0.8576	0.8658	0.8671	0.8736	0.8784	0.8839	0.8900	0.8845	0.8671	0.8784
Appearance	Amber	Amber	Amber	Amber	Amber	Amber	Amber	Amber	Amber	Amber
Flash Point, COC, °C	345	220	220	230	240	244	272	286	220	240
Color, ASTM	0.5	0.5	1.0	2.0	1.5	1.5	1.5	2.0	1.0	1.5
Viscosity at 40°C, cSt	14.50	21.27	31.26	47.01	71.93	106.90	146.00	180.0	31.26	71.93
Viscosity at 100°C, cSt	3.60	4.24	5.34	6.97	9.08	11.64	14.40	16.60	5.34	9.08
Viscosity Index	135	103	103	104	100	96	96	96	103	100
4-ball scar dia. Test (ASTM D 4172/B)	0.43mm (Avg.)									
Copper Corrosion Test (ASTM D 130)	1a (3hr, 100°C)									
Rust Test (sea water) (ASTM 665/B)	Pass (24hr)									