

AW 22 | 32 | 46**ANTI-WEAR
HYDRAULIC OILS**

DESCRIPTION

- Bluewave Energy AW Hydraulic Oils are premium quality anti-wear hydraulic oils designed to provide maximum pump life and trouble-free service in heavy-duty industrial and mobile hydraulic applications. They possess proven protection against wear, have outstanding oxidation and thermal stability and are able to satisfy low ambient temperature applications in appropriate viscosity grades. Their properties make them suitable for vane, gear or piston type hydraulic pumps and motors. Always check your service manual for oil selection and service life.

APPLICATION

- Recommended for many industrial applications where oil anti-wear performance is required, including:
Hydraulic systems (including high pressure systems) manufactured by Eaton/Vickers, Parker/Denison, Sauer-Danfoss, Bosch-Rexroth, Racine, Oilgear, Hydreco, Dynex and others.
- Circulating systems
- General hand oiling
- Oil mist applicators
- Machine tools
- Bearings - journal, antifriction
- Gear cases
- Electric motors
- Textile machinery

MEETS AND/OR EXCEEDS

- Parker/Denison HF-0, HF-1, HF-2
- AFNOR E48-603
- Bosch Rexroth RD 90220
- Cincinnati Machine P-68, P-69, P-70
- DIN 51524 Part 1 HL (AW 22), and Part 2 HLP
- GM LS-2
- U.S. Steel 126, 1127, 1136
- Eaton Vickers I-286-S, M-2950-S

See reverse for typical physical properties

TYPICAL PHYSICAL PROPERTIES

ISO VISCOSITY GRADE	TEST METHOD	22	32	46
AGMA No. (non-EP)		n/a	n/a	1
Viscosity				
cSt at 40°C	ASTM D445	22.0	32.2	45.0
cSt at 100°C		4.31	5.33	6.63
Viscosity index	ASTM D2270	100	101	98
Flash point °C (°F)	ASTM D92	212 (414)	218 (424)	229 (444)
Pour point °C (°F)	ASTM D97	-34 (-29)	-32 (-26)	-30 (-22)
Rust preventative test		Pass	Pass	Pass
Oxidation stability (hours to 2.0 TAN)	ASTM D943	5000+	5000+	5000+
Colour	ASTM D1500	L1.0	L1.0	L1.0

Physical properties shown in the table are typical and may vary slightly.

For more detailed information on lubricant applications and procedures for converting to ILX Anti-Wear Hydraulic Oils, please consult with your Bluewave Technical Service Representative.

TECHNICAL SUPPORT
lubestechsupport@parkland.ca

VISIT US ONLINE
BluewaveEnergy.ca