



Hydraulic AW

Hydraulic AW is a general-purpose antiwear hydraulic oil developed for use in a wide range of industrial hydraulic system applications, especially in less demanding applications where premium performance is not required. It meets the performance requirements of Denison Hydraulics HF-2 and Vickers (Eaton) I-286-S.

Hydraulic AW is formulated to provide good wear protection for hydraulic pumps and motors, good oxidation resistance, and protection against rust and corrosion. It has good water-separating properties to minimize the formation of emulsions, and is resistant to excessive foam buildup that can cause poor or sluggish hydraulic system response.

Applications

- Hydraulic systems on industrial equipment
- Mining equipment, including drills, loaders and shuttle cars
- Air tools and other pneumatic equipment lubricated through air line lubricators
- Chain drives
- Electric motor bearings

Hydraulic AW meets the requirements of the following OEM specifications:

- Denison Hydraulics HF-2
- Vickers (Eaton) I-286-S

Features/Benefits

- Protects against wear
- Good oxidation resistance
- Protects against rust and corrosion
- Good water-separating properties
- Good foam resistance

**General-Purpose
Antiwear Hydraulic
Oil**

Contact Information

**U.S. Customer
Service:
1-800-822-6457**

**Technical Hot Line:
1-800-766-0050**

**International
Customer Service:
+1-832-486-3363
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Hydraulic AW

Typical Properties

ISO Grade	32	46	68	100
Specific Gravity @ 60°F	0.866	0.871	0.874	0.886
Density, lbs/gal @ 60°F	7.22	7.26	7.29	7.39
Color, ASTM D1500	0.5	0.5	0.5	2.5
Flash Point (COC), °C (°F)	216 (421)	227 (441)	238 (460)	225 (437)
Pour Point, °C (°F)	-18 (0)	-18 (0)	-18 (0)	-10 (14)
Viscosity,				
cSt @ 40°C	32.0	46.0	68.0	100
cSt @ 100°C	5.3	6.7	8.6	10.1
SUS @ 100°F	165	238	353	526
SUS @ 210°F	44.0	48.7	55.2	60.6
Viscosity Index	96	96	96	95
Acid Number, ASTM D974, mg KOH/g	0.4	0.4	0.4	0.5
Foam Test, ASTM D892	Pass	Pass	Pass	Pass
Oxidation Stability, TOST, ASTM D943-04a, hours	>2,000	>2,000	>2,000	>2,000
Rust Test, ASTM D665 A	Pass	Pass	Pass	Pass
Zinc, wt %	0.031	0.031	0.031	0.031

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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