



## Hydraulic AW

Phillips 66® Hydraulic AW is a general-purpose anti-wear 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.

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 specification:

- Eaton-Vickers 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 Anti-wear Hydraulic Oil





## 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	7.21	7.25	7.28	7.38
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	97	97	76
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 & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.