



## Hydraulic AW

Hydraulic AW is a good quality antiwear hydraulic oil designed for use in a wide range of industrial hydraulic system applications. It provides good wear protection for hydraulic pumps and motors plus good rust and corrosion protection. It also has good water-separating characteristics and is resistant to foaming. It meets the performance requirements of Denison HF-2 and I-286-S Vickers.

### **Applications**

- Industrial hydraulic systems
- Hydraulic systems of mining equipment including drills, loaders and shuttle cars
- Moderately loaded industrial gear sets that do not require an extreme pressure gear lubricant
- Open and enclosed drive chains

### **Outstanding Features**

- Good wear protection
- Good oxidation resistance
- Good rust and corrosion protection
- Good water-separating characteristics
- Good foam resistance

**Antiwear  
Hydraulic Oil**

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**Hydraulic AW**  
**Typical Properties**

<b>ISO GRADE</b>	<b>32</b>	<b>46</b>	<b>68</b>
Density, g/cm <sup>3</sup> @ 15.6°C (60°F)	0.866	0.871	0.874
Color, ASTM D1500	0.5	0.5	0.5
Flash Point (COC), °C (°F)	216 (421)	227 (441)	238 (460)
Pour Point, °C (°F)	-18 (0)	-18 (0)	-18 (0)
Viscosity,			
cSt @ 40°C	32	46	68
cSt @ 100°C	5.3	6.7	8.6
SUS @ 100°F	165	238	353
SUS @ 210°F	44.0	48.7	55.2
Viscosity Index	96	96	96
Acid Number, ASTM D974	0.4	0.4	0.4
Foam Test, ASTM D892	Pass	Pass	Pass
Oxidation Stability, TOST, ASTM D943, hours	>1500	>1500	>1500
Rust Test, ASTM D665A	Pass	Pass	Pass

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