



Super S[®] AW MVI Hydraulic Fluid

Super S AW Hydraulic Fluids are general purpose anti-wear, rust, corrosion and oxidation inhibited oils that provide excellent water separation and demulsibility. They are specially formulated to suppress foaming while also allowing rapid air release, improving hydraulic system performance and helping to prevent pump cavitation. Oxidation inhibitors provide control of sludge and varnish deposits, and increase service life. They are suitable for use where service requirements are light to moderate, and heavy-duty wear or long-term service is not critical, and are available in viscosity grades ISO VG22 to ISO VG100.

When used in the proper grade, they will provide excellent service in hydraulic systems and air compressors, industrial bearings, hoists and machine tools, and circulating, splash, bath and ring lube systems for bearings and gears. All grades have excellent demulsibility characteristics. Hydraulic systems, due to the nature of their operation, experience accelerated wear unless they are protected by clean, high quality anti-wear hydraulic oils. Surging pressures in pumps and valves can increase metal-to-metal contact unless anti-wear protection is present. The anti-wear additives in **Super S AW Hydraulic Fluids** create a protective film on the metal surfaces. This protective film minimizes metal-to-metal contact, which is most severe in vane- and gear-type pumps.

Specially formulated to suppress foaming while also allowing rapid air release, improving hydraulic system performance and helping to prevent pump cavitation. Oxidation inhibitors provide control of sludge and varnish deposits, and increase service life. It is suitable for use where service requirements are light to moderate, and heavy-duty wear or long-term service is not critical, and is available in viscosity grades ISO VG22 to ISO VG100. When used in the proper grade, it will provide excellent service in hydraulic systems and air compressors, industrial bearings, hoists and machine tools, and circulating, splash, bath and ring lube systems for bearings and gears.

SPECIAL HANDLING, NOTICES OR WARNINGS

Use the same care and handling as for any petroleum product.

FEATURES/ BENEFITS

Super S AW Hydraulic Fluids are available in viscosity grades from ISO VG 22 to ISO VG 100 and are formulated:

- with anti-wear protection for equipment operating under light or moderate pressures and loads
- with oxidation inhibitors which provide sludge and deposit control
- with rust and corrosion protection for all system components
- to provide excellent water separation and demulsibility
- to provide excellent anti-foam properties and rapid air release
- good thermal stability in the presence of copper and steel

APPLICATIONS

Super S AW Hydraulic Fluids are recommended for applications calling for anti-wear, rust and oxidation inhibited oils including:

- Hydraulic systems
- Air compressors
- Industrial bearings
- Circulating systems; splash, bath and ring lube systems for bearings and gears
- A myriad of assorted industrial applications: hoists, machine tools, etc.
- Gear sets not requiring an EP gear oil
- Bath, splash circulating or mist systems
- **ASTM 6158 HM**
- **DIN 51524-2**
- **ISO 11158 L-HM**

TYPICAL CHARACTERISTICS

Super S® AW Hydraulic Fluid						
Property	Test Method ASTM -D	ISO Viscosity Grade				
		22	32	46	68	100
AGMA Grade				1	2	3
Viscosity Index	2270	95	95	95	95	95
Pour Point, °C/°F	97	-32/-25	-32/-25	-29/-20	-29/-20	-23/-10
Viscosity cSt @ 40°C	445	22	32	46	68	100
Color	1500	2.0 max	2.0 max	2.0 max	2.5 max	2.5 max
Oxidation Life Hrs to 2.0 Acid No.	943	2000	2000	2000	2000	2000

Typical test data are average values only.
 Minor variations which do not affect product performance are to be expected during normal manufacturing.

PRODUCT NUMBERS

ISO 22		ISO 68	
SUS 22	5 gallon pail	SUS 40-3	3/1 gallon bottles
SUS 22-5	55 gallon drum	SUS 40-1	6/1 gallon bottles
ISO 32		SUS 40	5 gallon pail
SUS 36-3	3/1 gallon bottles	SUS 43	55 gallon drum
SUS 36-1	6/1 gallon bottles	SUS 43Tote	275 Gal Tote
SUS 36	5 gallon pail	SUS 43Bulk	Bulk
SUS 37	55 gallon drum	SUS 43BD	Bulk/Drum
SUS 37	275 Gal Tote	ISO 100	
SUS 37Bulk	Bulk	SUS 102	5 gallon pail
SUS 37BD	Bulk/Drum	SUS 210	55 gallon drum
ISO 46		SUS 21011	Bulk
SUS 38	5 gallon pail		
SUS 63	55 gallon drum		
SUS 63Tote	275 Gal Tote		
SUS 63Bulk	Bulk		
SUS 63 BD	Bulk/Drum		