

# SPECIAL AW HYDRAULIC OILS



MACHINE & HYDRAULIC  
OIL



Moderate pressure anti-wear hydraulic oil

## APPLICATIONS

Hydraulic systems

- **SPECIAL AW HYDRAULIC OIL** are formulated for hydraulic systems and other equipment operating at moderate temperatures and pressures (below 1,000 psi). They are available in viscosities from ISO 32 to ISO 100 and are made from high quality virgin paraffinic base stocks.
- **SPECIAL AW HYDRAULIC OILS** are suitable for lubricating light to moderately loaded plain and anti-friction bearings or gears that require a general purpose lubricating oil.

## SPECIFICATIONS

- DENISON HF-1, HF-2

## ADVANTAGES

Economical and reliable

- High resistance to oxidation and thermal degradation.
- Good anti-wear properties.
- Non-staining of yellow metals (no corrosive wear).
- Good compatibility with elastomers and seals.
- Good water-oil shedding properties.
- Good anti-foaming, anti-corrosion, and anti-oxidation properties.

## CHARACTERISTICS

TYPICAL CHARACTERISTICS SPECIAL AW HYDRAULIC SERIES				
ISO grade	ISO 32	ISO 46	ISO 68	ISO 100
Color ASTM D 1500	L1.0	L1.5	L2.0	3.0
Viscosity at 40 °C, cSt ASTM D 445	32	46	68	98
Viscosity at 100 °C, cSt ASTM D 445	5.5	6.9	8.8	10.8
Viscosity index ASTM D 2270	96	96	96	93
Specific gravity @ 60/60°F ASTM D 1298	0.871	0.875	0.878	0.882
Pour point, °F (°C) ASTM D 97	0 (-18)	5 (-15)	10 (-12)	10 (-12)
Flash point, COC, °F (°C) ASTM D 92	390 (199)	400 (204)	420 (216)	475 (246)
Copper strip corrosion rating ASTM D 130	1A	1A	1A	1A
Oxidation test ASTM D 943	<1500	<1400	<1200	<1000

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**SPECIAL AW HYDRAULIC**  
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