

Penzstar Hydra Fluid AW

High performance anti wear hydraulic oil

Product Description

Penzstar Hydra Fluid series are high performance anti-wear hydraulic oils developed for high pressure hydraulic systems operating under moderate to severe conditions in mobile and industrial service. These oils are formulated with high quality group 2 base oils and carefully selected performance additives to provide excellent protection against oxidation degradation, rust & corrosion and wear. They also possess superior foam control, water separation and rapid air release properties. They exceed the performance requirements of global industry standards Denison HF-0, HF-1, HF-2, Vickers M-2950-S dan I-286-S, Cincinnati Milacron P-70 (AW46), P-69 (AW 68), Commercial Shearing, Racine Model S (Variable Volume Vane Pump), DIN 51524 Part 2, Lee-Norse 100-1, Jeffry No. 87, Ford M-6C32, U.S. Steel 136, 127, B. F. Goodrich 0152, General Motor LH-04-01, LH-06-1, LH-15-1, AFNOR E 48-603, Sundstrand HMS-103, Hydreco, Joy HO-T (AW 46), HO-S (AW 68), Tyrone EOS-2000, Oilgear 90008C, GM LS2, ISO 111 58, ASTM D 6158

Features & Benefits

- Excellent thermo-oxidative stability controls the formation of sludge & varnish and improves oil life
- Exceptional anti-wear property results in longer pump and component life and reduces costs
- Superior demulsibility helps in faster separation of water from oil and resists formation of emulsions
- Special rust & corrosion inhibitors protect multi-metallurgy components even in presence of moisture
- Rapid air release property minimises chances of pump cavitation leading to trouble free operations
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems

Applications

- Hydraulic systems operating under moderate to severe conditions in mobile and industrial service
- Older hydraulic systems where leakage is a problem and a cost-effective hydraulic oil providing allround protection is required
- Mobile hydraulic fluid power transmission systems and general machine lubrication

Specification & Typical Properties

Typical Properties	Typical Values			
	32	46	68	100
ISO VG				
Viscosity, Kinematic				
at 40 °C, cSt	32	46	68	100
at 100 °C, cSt	5.84	7.32	8.94	11.19
Viscosity Index	120	112	106	97
Pour Point, °C	-18	-18	-18	-18
Flash Point, COC, °C	226	230	234	238
Copper Corrosion Test	1a	1a	1a	1a
Specific Gravity 15/15 °C	0.847	0.866	0.872	0.877