

HYDRA AW

ANTI-WEAR HYDRAULIC OIL

Description

Hydra AW oils are high performance anti-wear hydraulic oils developed for high pressure hydraulic systems, operating under moderate to severe conditions in mobile and industrial service. Hydra AW oils are formulated with high quality base oils and carefully selected performance additives to provide excellent protection against oxidation degradation, rust and corrosion and wear. Hydra AW oils also possess superior foam control, water separation and rapid air release properties. Hydra AW oils are formulated with field proven thermally stable zinc based anti-wear additives.

Hydra AW can be used in hydraulic systems operating under moderate to severe conditions in mobile and industrial service and in older hydraulic systems where leakage is a problem and a cost-effective hydraulic oil providing all-round protection is required, mobile hydraulic fluid power transmission systems and general machine lubrication.

Benefits

Hydra AW oils has excellent thermo-oxidative stability controls the formation of sludge & varnish and improves oil life and 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 and special rust and corrosion inhibitors protect multi-metallurgy components even in presence of moisture. Rapid air release properties minimizes chances of pump cavitations leading to trouble free operations and are compatible with multi-metals and sealing materials commonly used in hydraulic systems.

Typical Properties

ISO VG		10	15	22	32	46	68	100	150
Code		LUB006000	LUB006001	LUB006002	LUB006003	LUB006004	LUB006005	LUB006006	LUB006007
Density 15 °C	Kg/L	850	858	865	870	874	881	886	889
Viscosity 40 °C	cSt	10	15	22	32	46	68	100	150
Viscosity 100 °C	cSt	2.7	3.4	4.3	5.3	6.7	8.6	10.6	14.6
Viscosity Index		95	95	95	95	95	95	95	95
Pour Point	°C	-42	-42	-36	-30	-30	-30	-24	-21
Flash Point C.O.C	°C	160	164	186	202	210	218	230	245
Operating temperature	°C	-35/150	-30/150	-25/150	-25/150	-25/150	-25/150	-20/150	-15/150



Performance levels

- ISO 11158 HM
- Denison HF-0, HF-1, HF-2 (For ISO VG 32, 46 and 68 respectively)
- DIN 51524/2 HLP
- Cincinnati Lamb P-68, P-70 and P-69 (For ISO VG 32, 46 and 68 respectively)
- AFNOR NFE 48-603 HM
- Eaton (Vickers) M-2950-S, I-286-S
- VDMA 24318
- Thyssen TH-N-256132
- US Steel 126/127