

# HYDRAULIC OIL HP

## 32, 46, 68, 100

### DESCRIPTION

HYDRAULIC OIL HP are premium quality hydraulic oils of high viscosity index. They are blended from high quality base oils incorporated with special additives that impart superior viscosity/temperature characteristics, anti-wear and oxidation inhibitors. They also provide excellent wear protection in hydraulic and circulation system, good air release properties and they remain suitable for widely varying ambient temperatures.

### APPLICATONS

HYDRAULIC OIL HP are specially suited for hydraulic systems which are subjected to extreme temperature suitable for hydraulic system subjected to wide variation in temperature or where low viscosity change with fluctuating temperature is required in addition to comply with the applications of HYDRAULIC OIL H requirements.

### BENEFITS

- Very low viscosity variations with temperature.
- High shear stability.
- Excellent water separation, air release and anti-foam properties.
- Excellent oxidation resistant.
- Excellent filterability.
- Efficient anti-wear performance.
- Rust and corrosion protection.
- Seal and paint compatibility.

### PERFORMANCE LEVEL

Meet the following specifications  
Denison HFO and HF2.  
Vickers 35VQ25.  
Cincinnati Machine P-68, P-69, P-70.  
DIN 51524 Part 2&3.  
AFNOR NFE-48-603 (HM), (HV)  
Denison T6C-20 Vane Pump.  
AFNOR NE 48-690, NF E-48-691  
Filterability.

### PRODUCT TYPICAL CHARACTERISTICS

PROPERTIES		UNITS	VALUE				TEST METHOD
Grade		-	32	46	68	100	-
Specific Gravity	@ 15°C	-	0.8580	0.8650	0.8735	0.8750	ASTM D-1298
Viscosity	@ 40°C	mm <sup>2</sup> /s	32.00	46.00	68.00	100.0	ASTM D-445
	@ 100°C	mm <sup>2</sup> /s	6.35	8.20	11.10	14.80	ASTM D-445
Viscosity Index		-	155	155	155	155	ASTM D-2270
Flash Point	COC	°C	205	214	218	220	ASTM D-92
Pour Point		°C	-42	-39	-36	-33	ASTM D-97
TAN		mg KOH/gm	0.40	0.40	0.40	0.40	ASTM D-974
Color		-	0.5	0.5	1.0	1.0	ASTM D-1500