



Gulf Harmony HVI

*Premium quality high viscosity index hydraulic oil
for extreme temperature ranges*

Product Description

Gulf Harmony HVI series are premium quality anti-wear hydraulic oils specially developed for applications subjected to wide range of temperature or where small viscosity change with fluctuating temperature is required. They are formulated with high quality paraffinic base oils, a highly shear stable polymer and an advanced additive system to meet the stringent requirements of modern hydraulic systems. These oils provide excellent protection against oxidation degradation, rust & corrosion and wear. They also possess superior foam control, water separation and rapid air release properties. These oils exceed the performance requirements of global industry standards viz. DIN 51524 Part 3 HVLP, AFNOR NFE 48-603 (HV) & ISO 11158 HV and majority of the international OEMs viz. Hitachi, MAG IAS, LLC, Eaton & Denison.

Features & Benefits

- Exceptional anti-wear property results in longer component life reducing costs
- Extremely high viscosity index assures equipment protection at cold start-up temperatures and at high operating temperatures
- Excellent shear stability minimises viscosity loss over time and exhibits “stay-in-grade” performance under high shear conditions
- Excellent thermo-oxidative stability controls the formation of sludge & varnish and improves oil life
- 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 & most sealing materials commonly used in hydraulic systems

Applications

- Hydraulic and power transmission systems subjected to a wide range of ambient & operating temperatures
- Critical high accuracy industrial hydraulic systems
- Hydraulic systems of excavators, cranes and hydrostatic drives subjected to most severe outdoor operating conditions

Properties mentioned above are typical only and minor variation, which do not affect the product performance, are to be expected in normal manufacturing. The above information is based on history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The material safety Data Sheet for this product is available from our nearest Gulf KSA Distributor.

Gulf Oil KSA



Specifications, Approvals & Typical Properties

ISO Viscosity grades		68
Meet the following Specifications		
DIN 51524 Part 3 HVLP, AFNOR NFE 48-603 (HV), ISO 11158 HV		x
Denison HF-0, HF-1, HF-2, Eaton (Vickers) M-2950-S, M-2952-S, I-286-S		x
Bosch Rexroth 07 075 for vane, piston & gear pumps, Sauer Danfoss 520L0463, BR 90220		x
Hitachi		
Typical Properties		
Test Parameters	ASTM Method	Test Values
Viscosity @ 40 °C, cSt	D 445	69.9
Viscosity Index	D 2270	152
Flash Point, °C	D 92	226
Pour Point, °C	D 97	-36
Density @ 15°C, Kg/l	D 1298	0.881
Rust Test	D 665A/B	Pass
Emulsion Test 30 minutes max	@ 54 °C	Pass
	@ 82 °C	-
Foam Stability in all three sequences, ml	D 892	Nil
Turbine Oil Stability Test, hrs	D 943	
FZG, fail load stage, minimum	DIN 51354 Part II	11
Code	-	5608

April 2022

Properties mentioned above are typical only and minor variation, which do not affect the product performance, are to be expected in normal manufacturing. The above information is based on history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The material safety Data Sheet for this product is available from our nearest Gulf KSA Distributor.

Gulf Oil KSA