



PRODUCT INFORMATION

Hydraulic Oils Gulf Harmony ZF-HVI

Product Description:

Gulf Harmony ZF-HVI oils are premium quality ashless anti-wear hydraulic oils specially developed for applications subjected to a wide range of temperature or where small viscosity change with fluctuating temperature is needed. They are formulated with high quality paraffinic base oils, a highly shear stable polymer and an advanced ashless additive system to provide reduced environmental impact in case of an accidental release into the environment. They meet the stringent requirements of modern hydraulic systems using high pressure high output pumps and critical requirement of other hydraulic system components such as high accuracy numerically controlled machine tools and those employing close clearance servo valves.

Features/Benefits:

Gulf Harmony ZF-HVI oils have exceptional anti-wear properties resulting in longer pump & component life and reduces costs. Extremely high viscosity index assures equipment protection at cold start-up temperatures and protects system components 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. Advanced ashless additive technology reduces environmental impact in case of accidental spillage. 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:

Gulf Harmony ZF-HVI oils are suited in hydraulic and power transmission systems subjected to a wide range of ambient & operating temperatures even in environmentally sensitive applications, critical hydraulic systems such as high accuracy numerically controlled machine tools and those employing close clearance servo valves, hydraulic systems of excavators, cranes and hydrostatic drives subjected to most severe outdoor operating conditions.

Gulf Harmony ZF-HVI				
Typical Properties:				
ISO VG	22	32	46	68
Product Code	3655	3656	3657	3658
Density @ 15°C, kg/m ³	838	869	874	881
Viscosity @ 40°C, mm ² /s	22	32	46	68
Flash Point, °C	165	175	218	226
Pour Point, °C	-27	-36	-30	-27
Specifications:				
Meets: ISO 11158 HV, DIN 51524/3 HVLP, AFNOR NFE 48-603 HV Denison HF-0, HF-1, HF-2, Eaton (Vickers) M-2950-S, I-286-S, Cincinnati Lamb P-68, P-70 and P-69 (For ISO VG 32, 46 and 68 respectively) Poclain (ISO VG 68), Hitachi (ISO VG 46)				