

G-SPECIAL

G-Special Hydraulic HVLP

Description

G-Special Hydraulic HVLP range designed to meet the highest requirements of hydraulic equipment manufacturers. Formulated from high-quality solvent refined mineral oils, as well as in combination with synthetic base oils, with thoroughly selected high quality multi-purpose additives, **G-Special Hydraulic HVLP** oils deliver outstanding wear resistance, oxidation stability, and anticorrosion protection; offer excellent foam protection and demulsifying properties.

This range features high viscosity and temperature stability, good shear resistance and filterability providing extended service life of oil under high pressure conditions over operating temperature range.

Benefits

- **Multigrade Oil**
High viscosity index of these oils ensure their optimal performance at high and low temperatures protecting equipment in a wide operating temperature range of -40 °C /+80 °C – depending on the viscosity grade.
- **Wear Resistance**
High efficiency additive system includes EP compound, which prolongs equipment service life. The feature is essential for oils used in geared, vane, radial and axial piston pumps. Additives are absorbed onto metal surface to prevent metallic contact and reduce friction and wear.
- **Oxidation Stability**
Enable high temperature operation free of lacquer deposits.
- **Thermal Stability**
Chemical composition stability retained throughout the operating period does not dissolve at high temperatures and keeps the system clean.
- **Hydrolytic Stability**
Ensure high corrosion protection of yellow metals even in case of water contamination as the oils do not form acidic products when reacts with water.
- **Good demulsifying and antifoaming properties**
Promote rapid water separation and breakdown of foam, preventing increased oil compression, lubricating and cooling capacity reduction; allow for the reduction of oil collector size.
- **Filterability**
Oxidation resistance and chemical stability of additives help avoid filter plugging and allow for superior filterability of the oils.
- **Compatibility**
The oils are compatible with various metals and elastomers, and guarantee the reliable performance of your system.

Applications

- Mobile and stationary hydraulic drives (machinery, trucks, buses, tractors, road-building and other equipment) that require multigrade anti-wear oil with high load capacity
- Recommended for industrial mobile and marine equipment subjected to low starting and high operating temperatures

Specifications and Approvals

G-Special Hydraulic HVLP complies with:

- DIN 51524 Part 3
- Denison HF 0,1,2 (ISO 32, ISO 46)
- MAG P-68 (ISO 32)
- MAG P-70 (ISO 46)
- Eaton Vickers 35VQ25 (ISO 32, ISO 46)
- Bosch Rexroth 90220 (ISO 32, ISO 46)

Typical Properties

ISO Grade	32	46
Viscosity		
• cSt @ 40°C	32	46
• cSt @ 100°C	6,8	7,9
• cSt @ -20°C	1200	
• cSt @ -10°C		1000
VI	179	143
Flash Point, COC, °C	215	234
Pour Point, °C	-43	-40
Acid Number, mg KOH/g	0,6	0,6
Purity Class	12	12
Specific Gravity, kg/m ³ @ 20°C	870	875
Copper Corrosion, 3h/100°C	1B	1B

Reduced Environmental Impact

Place used product in an appropriate waste disposal container. Dispose via a licensed waste disposal contractor. Do not discharge waste lubricant into groundwater, watercourses, soil, sewerage or drainage systems.