



TEXAS HYDRAULIC HS SERIES

High Viscosity Index Anti-Wear Hydraulic Fluids

PRODUCT DATA SHEET

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DESCRIPTION

Texas Hydraulic HS Series oils are products of supreme performance, designed for wide temperature range applications. They exhibit outstanding low-temperature flow characteristics and are resistant shearing and viscosity loss, even at high operating temperatures and pressures. These products are developed to meet the stringent requirements of severe hydraulic systems using high pressure, high output pumps.

Texas Hydraulic HS Series oils are blended with high quality base stocks and a balanced additive system for optimum performance and protection. In addition, Texas Hydraulic HS Series has superior filterability and water separation characteristics. They provide multi-metal compatibility in the presence of water.

Texas Hydraulic HS Series easily meets the performance requirements of many industrial specifications and hydraulic pump manufacturers.

PERFORMANCE STANDARDS

- AFNOR NE E 48-603 HM
- Cincinnati Milacron P68, P69, P70
- DIN 51 524 Part 3 HVLP
- Hagglunds Denison HF-2, HF-0
- Sperry Vickers 1-286-S, M-2950-S (35VQ25)
- US Steel 136, 127
- CETOP and Pall Filterability
- NF E 48-690, NF E 48-691 Filterability

BENEFITS

- Excellent anti-wear and film strength protection
- Manufactured from high thermal and oxidation stability base oils for longer oil life span
- High Viscosity Index properties provide wide temperature range protection
- Maintain stay-in-grade viscosity under high shear conditions
- Multi-metal compatibility ensures excellent performance from various components
- Reduce maintenance costs due to less frequent oil changes
- Outstanding water separation
- Foam inhibition reduces the danger of pump failure due to cavitation
- Protect against rust and corrosion

TYPICAL APPLICATIONS

- Texas Hydraulic HS Series is recommended for a wide range of hydraulic systems that require an anti-wear fluid, including those where close clearance servo-valves are used.
- Particularly suitable in systems where cold start-up and high operating temperatures are typical.
- Oil circulation systems including those recommending R & O oils, where rationalizing of oil products is desirable.
- Gear sets requiring non-EP gear oils

TYPICAL PROPERTIES

ISO Grade	32	46	68	100
Appearance/Color	0.5	0.5	0.5	1.0
Density, kg/liter @ 15°C	0.861	0.870	0.872	0.878
Kinematic Viscosity, mm ² /s @ 40°C	31.7	45.8	68.9	100.1
Kinematic Viscosity, mm ² /s @ 100°C	6	7.7	10.2	13.2
Viscosity Index	138	136	133	130
Pour Point, °C	-42	-42	-39	-33
Flash Point COC, °C	210	218	220	228

Typical physical and chemical characteristics do not constitute as specifications. Texas Petrochemical reserves the right to amend and change the information herein without notification as a result of continual product research and development.