

## Hydraulic Fluid Tests

Gold bullets indicate ISO/IEC 17025:2017 Accreditation

Method	Test Description	Sample Size
• ASTM D92	Flash Point, Cleveland Open Cup	250 mL
ASTM D130	Copper Strip Corrosion	100 mL
• ASTM D445	Kinematic Viscosity, 40°C or 100°C, New Oil	125 mL
• ASTM D445	Kinematic Viscosity, Below 0°C	125 mL
• ASTM D445	Kinematic Viscosity, 0°C and Above	125 mL
• ASTM D664	Acid Number	50 mL
ASTM D665	Rust Prevention 4 Hours (Method A or B)	1 L
ASTM D665	Rust Prevention 24 Hours (Method A or B)	1 L
• ASTM D892	Foaming, Sequence I - III (Specify option A if required)	1 L
ASTM D943	Oxidation Characteristics (2.0 TAN or 1000 Hours)	600 mL
ASTM D1401	Emulsion Characteristics / Water Separability	100 mL
ASTM D2070	Thermal Stability (Hydraulic Fluids)	300 mL
ASTM D2112	Oxidation Stability of Inhibited Oil by Pressure Vessel at 140°C	150 mL
• ASTM D2272	Rotating Pressure Vessel Oxidation Test (RPVOT) Single Run	150 mL
ASTM D2532	Viscosity Stability at Low Temperature	125 mL
ASTM D2619	Hydrolytic Stability	250 mL
ASTM D2670	Falex Pin & Vee Wear	200 mL
• ASTM D2983	Brookfield Viscosity, +20°C to -60°C (Per Temperature)	60 mL
ASTM D3427	Air Release / Gas Bubble Separation	500 mL
ASTM D4172	Four Ball Wear	100 mL
• ASTM D5185	Elemental Analysis by Inductively Coupled Plasma (No S)	10 mL
ASTM D5621	Sonic Shear, Hydraulic Fluids	100 mL
• ASTM D6304	Water by Karl Fischer	100 mL
• ASTM D7624	FTIR Analysis, In-Service Fluid, Nitration	50 mL
ISO 4406	Particle Count	100 mL



A WORLD OF LUBRICATION UNDERSTANDING®