

All FEMA Corporation lab and product testing equipment used in house is NIST traceable. We also work with several other test houses to perform testing not capable at FEMA.

Capabilities.

- Vibration
 - Random
 - Sinusoidal
 - Shock
 - Wet Vibration (Hydraulic performance across frequency range)
- Hydraulic
 - 11 hydraulics power units ranging from 15-350HP
 - Durability
 - Flow vs. Delta P
 - Leakage
 - Contamination
 - Durability and sensitivity
 - ISO 4406
 - Impulse/Fatigue and Burst
 - NFPA T2.6.1 R2014
 - Fatigue: Up to 690 bar
 - Burst: Up to 4000 bar
- Environmental
 - Thermal Shock
 - Oil to Oil and Air to Air
 - Thermal Cycle
 - Combined Environmental
 - Humidity/Temperature/Voltage
 - Immersion
 - IEC 60529
 - Cold Water Splash/Jet
 - Hydraulic performance validation across temperature range
- Miscellaneous
 - Jump Start Voltage
 - Chemical Resistance
 - Force vs. Displacement
 - Electrical
 - Megohm
 - AC Hipot
 - Resistance vs. Frequency
 - Inductance vs. Frequency