



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 | 1-120 GPM
  - 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 + High Pressure Spray Wash
  - 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

Contact us about your testing needs at: [FEMALabServices@fema-corp.com](mailto:FEMALabServices@fema-corp.com)