

Field Technical Services (FTS) Pump services

Sulzer Field Technical Services provides on-site expert support to assist customers in solving their rotating equipment problems. Whether it be pump performance, vibration problems, poor mean time between repairs (MTBR), bad actors or system issues, Sulzer FTS has the engineers, experience and expertise to identify the root cause and recommend corrective action.

Sulzer Pump Services has many service centers strategically located in North America that specialize in pump, turbomachinery and motor repair. These service centers exist to support Sulzer's customers and can carry out FTS' recommended corrective action.

Sulzer pump field testing

- Pump field testing can assist in determining the pump's condition and optimizing maintenance planning.
- Planned maintenance can often be postponed or avoided based on the use of test data to verify pump condition.
- Energy can be saved by optimizing pump and system operation.
- Sulzer field technical services can supply experienced personnel and test equipment to perform a full range of pump, driver, and system testing.

- 24/7 support and strategically located in North America
- Minimize operations and maintenance expenses
- Optimize pump and driver efficiency



Scope of work

Typically, Sulzer Field Technical Services engineers will visit the site, review the pump operating and maintenance history, conduct walk down inspection, and collect operating data. The typical level of analysis would include:

Hydraulic performance

- Pump capacity
- Total dynamic head
- Brake horsepower
- Pump efficiency
- Temperatures

Vibration spectrum analysis

- Acceptability of overall and peak values
- Analysis of individual peak values

Systems review

- Piping interface
- Bearing/lubrication support
- Seal flush/seal injection plans

Typical instrumentation

- Dual channel ultrasonic flow meter
- Dual channel vibration spectrum analyzer
- Digital camera



Deliverables

- Analysis will include the pump design and historical data in a concise report.
- The summary report will also make recommendations on pump and system improvements to extend pump life and minimize energy usage.

Benefits

- Address bad actor pumps
- Minimize operations and maintenance expense
- Optimize pump and driver efficiency

Sulzer's experienced field service teams offer expert support on site, while the local service centers that are equipped with modern repair facilities will ensure any downtime is minimized. Contact our expert to learn more.



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