



Online Motor Testing

Dedicated People, Quality Products, and above all, Service



Our experienced technicians use innovative technology for on-line monitoring of power circuit issues, overall motor health, load, and performance, giving you a comprehensive look at overall integrity of your motor.

Using the online motor testing equipment, L&S Electric provides root-cause analysis through the separation of mechanical and electrical issues. Along with any three-phase induction motor, it will also monitor the activities of Variable Frequency Drive (VFD) applications.

L&S Electric's on-line capabilities create an accurate assessment of operating load conditions over time. Results are immediate and show operating efficiencies allowing you to determine the true cost of wasted energy.

Comprehensive Motor Analysis

- Identifies possible power circuit problems that degrade motor health
- Examines overall motor power conditions
- Monitors the load and observes motor performance
- Estimates energy savings

VFD Monitoring

- Shows how frequency, speed, torque, and voltage level vary with respect to time
- Enables identification of transient overloading of the motor by the VFD
- Provides the ability to identify and repair poorly tuned speed feedback

Advanced Data Collection

- Save individual motor results, critical for any predictive maintenance program.
- Generate reports quickly and easily

Machine Performance Report

L&S ELECTRIC INC. EXPLORER Time/Date: 2/08/2009 10:09:29 AM

Database: Database 01
 Test Model: default elec
 Memo: PT circuit open delta
 Test By: Power Service Tech
 Test For: Customer Name

Location:
 Building:
 Machine: SG04 -FDFN-11 Serial No.: 1508

HP: 1500.00 Manufacturer:
 KW: 1119.00 RPM: 594
 Volts: 6600 Amps: 135.60
 Serv. Fact.: 1.15 Stator Res. (L-L): 0.00E+0 Ohms
 Frame: Insulation:

Speed (RPM) 595.0 Torque Ripple (%) 3.94 Load (%) 71.6 Efficiency (%) 95.4

Test	Value	Caut. Level	Warn. Level	Status
Over Voltage	6.88	10.00	20.00	Good
Voltage Unbalance	0.36	2.00	3.50	Good
Harm. Distortion	1.04	7.00	9.00	Good
Total Distortion	1.14	10.00	12.00	Good
Over Current	79.01	110.00	120.00	Good
Eff. Serv. Factor	0.72	1.10	1.25	Good
Rotor Bar	-67.37	-45.00	-36.00	Good
Op. Condition	0.00	20.00	30.00	Good
Losses	37.86	N/A	N/A	N/A
Payback	0.00	N/A	N/A	N/A

Main Panel Energy Assessment
 Power Condition Report Machine Performance Report
 Machine Condition Report Load Report



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