



ACCURACY
THROUGH EXPERIENCE

**LABORATORY
SERVICES**

For the Electrical
Power Industry

MS MORGAN[®]
SCHAFER
A DOBLE COMPANY

doble[®]

**We did it first.
We still do it best.**

**More than 50 years
of DGA expertise.**



Accuracy Matters

Accurate dielectric fluid testing provides the confidence that comes from knowing that potential problems with your oil-filled equipment will be detected in their infancy.

Morgan Schaffer specializes in the analysis of dielectric fluids and provides a complete range of testing, analysis and diagnostic services.

Our laboratory provides an exceptional level of accuracy to help you safeguard your assets and ensure:

- Valid identification of changes in condition
- Cost-efficient, condition-based maintenance
- Early detection of impending failures

The definitive industry reference for dependable test results

- Trustworthy gas extraction methods
- Internal specifications that meet or exceed ASTM standards
- Comprehensive quality assurance programs
- Skilled and experienced personnel

**Morgan Schaffer Laboratory Services:
Results you can trust.**

Service Matters

Morgan Schaffer labs are committed to building lasting relationships with our clients by providing:



Fast turnaround times -
rush service available



Competitive pricing and
volume discounts



Responsive customer
support



Flexibility (delivery schedules,
specialized tests, etc.)



Capacity to process thousands
of samples annually



Data interpretation
support

Key Laboratory Services

- Dissolved Gas Analysis
- ASTM Package
- Moisture Content
- PCB Analysis
- Power Factor 25 °C and 100 °C
- Furan Content
- Oxidation Inhibitor Content
- DBDS Content
- Corrosive Sulfur
- Metals in Oil
- Particle Count
- Methanol/Ethanol

MS Oil LIMS: Web-Based Collaboration Tool

Morgan Schaffer processes oil samples from across the globe via MS Oil LIMS. This web-based tool links the entire oil analysis process and facilitates collaboration between asset managers and laboratory personnel by providing:

- Improved efficiency by posting test results online, in real-time
- E-mail notifications as soon as test results are available
- Automatically generated test reports, trends and other results in easy to read and print format
- Easy data upload to Morgan Schaffer's *Inside View*

Exceptional Customer Satisfaction

A recent survey* of our clients revealed that:

- The majority are **"very satisfied"** with our services, **rating us 9 out of 10 or higher!**
- **96%** of respondents are **"very likely"** both to buy laboratory services from us again and to recommend our services to others.

*Conducted by SOM, February 2014.

Experience Matters

50 years of service to the electrical industry.

Experience

- Morgan Schaffer is the pioneer of DGA in North America.
- Dr. James E. Morgan developed the first gas extraction method, published in ASTM D-3612 (referred to as “Method A”).
- Our clients include utilities, OEMs, substation maintenance companies, industrial accounts and other labs.
- Morgan Schaffer provides definitive benchmark testing for conflicting test results.
- Our team of chemists and lab technicians provides expert test results.

The most trusted name in dielectric oil analysis.

Morgan Schaffer produces the world's only commercial oil standards

Even our competitors depend on Morgan Schaffer's *True North* gas-in-oil standard and *Atlantis* moisture-in-oil standard to calibrate their laboratory equipment!

Inside View insulating oil diagnostic software

Inside View, the most comprehensive DGA and dielectric oil diagnostic software on the market, integrates data from any brand of online monitor or portable analyzer and oil testing lab.



- Centralize data for fast and easy accessibility
- Perform accurate oil test data interpretation
- Deploy a configurable health index
- Receive only necessary alerts

**Sound decisions
require sound data.**



Accuracy in everything we do.

Morgan Schaffer's commitment is not limited to our laboratory services. We also ensure excellence in all of our activities:

- On-time delivery
- Superior technical support
- Responsiveness and customer service
- Repair services
- Quality assurance across the board

Contact us today for a quote!

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Accreditations

Morgan Schaffer laboratory is ISO/IEC 17025:2015 accredited by the ANSI-ASQ National Accreditation Board for the tests listed on its scope of accreditation. Morgan Schaffer is also ISO Guide 34:2009 accredited by the ANSI-ASQ National Accreditation Board for the production of reference materials listed on its scope of accreditation.