



Transformer Analytical Services



Just like people,
transformers
come in all
different shapes
and sizes.

S.D. Myers, Inc., has the exact
test package no matter what
kind of transformer you have.

MaxLife *Services that achieve the Maximum reliable,
cost-effective operating Life from your substation equipment*

ACTS 4:12



180 South Avenue, Tallmadge, Ohio 44278 330-630-7000 www.sdmyers.com

Test Packages

Mineral Oil Filled



CriticalPac (for all units critical to your operation)



Oil Screen*

- Dissolved gas analysis (DGA)
- Karl Fischer moisture (KF)
- Liquid power factor (PF)
- Oxidation inhibitor content (DBPC)
- Dissolved metals (ICP)
- Furanic compounds (FUR)

PowerPac 1



Oil Screen*

- Dissolved gas analysis (DGA)
- Karl Fischer moisture (KF)
- Liquid power factor (PF)
- Oxidation inhibitor content (DBPC)
- Dissolved metals (ICP)

PowerPac 2



Oil Screen*

- Dissolved gas analysis (DGA)
- Karl Fischer moisture (KF)
- Liquid power factor (PF)
- Oxidation inhibitor content (DBPC)

DistributionPac (Distribution class equipment)



Oil Screen*

- Dissolved gas analysis (DGA)
- Karl Fischer moisture (KF)

LTCPac (Load Tap Changers)



Oil Screen*

- Dissolved gas analysis (DGA)
- Karl Fischer moisture (KF)

OCBPac (Oil Circuit Breakers)



Oil Screen*

- Dissolved gas analysis (DGA)
- Karl Fischer moisture (KF)

SwitchPac (Switch Gear)



Oil Screen*

- Dissolved gas analysis (DGA)
- Karl Fischer moisture (KF)

RegPac Single (Regulators)



Oil Screen*

- Dissolved gas analysis (DGA)
- Karl Fischer moisture (KF)

RegPac Three (Regulators)



Oil Screen*

- Dissolved gas analysis (DGA)
- Karl Fischer moisture (KF)
- Liquid power factor (PF)
- Oxidation inhibitor content (DBPC)
- Furanic compounds (FUR)

RegPac Step (Regulators)



Oil Screen*

- Dissolved gas analysis (DGA)
- Karl Fischer moisture (KF)
- Liquid power factor (PF)
- Oxidation inhibitor content (DBPC)
- Furanic compounds (FUR)

Analyses offered:

ASTM

*Oil Screen (OS) package:

Neutralization number	D 974
Interfacial tension (IFT)	D 971
Relative density (specific gravity)	D 1298
Color	D 1500
Visual examination	D 1524
Dielectric strength (disk electrodes)	D 877

Test Packages

Special Fluids



AskPac (Askarel package)



Neutralization number
Relative density (specific gravity)
Color
Visual examination
Dielectric strength (disk electrodes)
Karl Fischer moisture (KF)
Furanic compounds (FUR)

S-FluidPac (Natural and Synthetic Ester-based fluids - such as FR3, ENV-200, biotemp and MIDEL)



Neutralization number
Relative density (specific gravity)
Color
Visual examination
Dielectric strength (disk electrodes)
Dissolved gas analysis (DGA)
Karl Fischer moisture (KF)

SilPac (Silicone package)



Neutralization number
Relative density (specific gravity)
Color
Visual examination
Dielectric strength (disk electrodes)
Dissolved gas analysis (DGA)
Karl Fischer moisture (KF)

WecPac (Wecosol package)



Neutralization number
Relative density (specific gravity)
Color
Visual examination
Dielectric strength (disk electrodes)
Karl Fischer moisture (KF)

Other Special Fluids

Tests are available, ask your Representative.

Analyses offered:

ASTM #

*Dielectric strength (VDE electrodes)	D 1816
Karl Fischer moisture (KF)	D 1533
Dissolved gas analysis (DGA)	D 3612
Oxidation inhibitor content (DBPC)	D 2668
Liquid power factor (PF)	D 924
Resistivity	D 1169
Dissolved metals (ICP)	D 7151
Furanic compounds (FUR)	D 5837
Flash point/fire point	D 92
Degree of polymerization	D 4243
AGE acid scavenger (perc fluids)	
Polychlorinated biphenyls content (Also EPA methods for PCBs)	D 4059
Corrosive Sulfur	D 1275 method B
Particle Count Distribution Particles and Filming Compounds	D6786

Test results and service recommendations are custom tailored to your specific equipment and fluid type.

Data, Recommendations and trending are accessible on line. . .



Transformer Analytical Services



Seminars
Publications



On-Site Sampling
Mail-In Testing
Oil Test Packages
Lab Online



Maintenance Assessment Report
Field Service Consulting
DryMax



On-Site Oil Sampling
PCB Destruction Services
Transformer Field Services
MaxLife Consulting
For Industrial or Utility Electric Systems

MaxLife *Services that achieve the Maximum reliable,
cost-effective operating Life from your substation equipment*

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