KOHLER® FLUID ANALYSIS

KOHLER®
IN POWER. SINCE 1920.

FLUID ANALYSIS PROGRAM

PROTECTING THE GENERATOR THAT PROTECTS YOUR POWER.

At Kohler Power Systems, we aim to keep your generators up and running for decades to come. That's why we offer our Fluid Analysis Program. Fluid Analysis is a preventive maintenance tool that gives you a look at exactly what's going on inside your generator.

It tells you the condition of both the unit and the fluid without disassembly. And since fluid changes can be difficult and not always convenient, fluid analysis can help you identify small problems before they become costly failures.

BENEFITS

- Maximizes asset reliability
- Optimizes equipment performance
- Achieves peak efficiency
- Optimizes drain intervals safely

KOHLER OIL TEST PACKAGES

Basic engine testing examines oil for contamination such as water, dirt, wear metals, and coolant. In addition, advanced engine testing evaluates the oil's ability to continue protecting the system and allows you to optimize drain intervals.

	STANDARD TEST METHOD USED	BASIC SVC001		ADVANCED SVC002	
		Diesel	Natrual Gas	Diesel	Natural Gas
Elemental Analysis by ICP	mod. ASTM D5185	•	•	•	•
Water by Crackle	In-house Method	•	•	•	•
Viscosity at 40°C or 100° C	mod. ASTM D445	•	•	•	•
Fuel Dilution	ASTM D7593	•		•	
Soot %	ASTM E2412, FTIR	•		•	
Acid Number	mod. ASTM D664			•	•
Base Number	mod. ASTM D4739			•	
Oxidation/Nitration	ASTM E2412, FTIR			•	•
Particle Quantifier	Manufacturer			•	•

KOHLER COOLANT TEST PACKAGES

Monitor all coolants for metal corrosion, inhibitor levels, contamination, and the ability to control fluid temperature.

LEVEL 2 SVC003	STANDARD TEST METHOD USED
Elemental Analysis by ICP	ASTM D6130
Glycol % (EG or PG)	In-house Method
Freeze Point	mod. ASTM D3321
Boil Point	In-house Method
Nitrites	In-house Method
SCA Number	In-house Method
Total Hardness	In-house Method
pH	ASTM D1287
Specific Conductance	Meter Measurement
Visuals (color, oil, fuel, magnetic precipitate, non-magnetic precipitate, odor & foam)	In-house Method

DIESEL FUEL TEST PACKAGES

Test packages for regular screening and additional tests to discover the cause of problems you're facing.

	STANDARD TEST METHOD USED	BASIC SVC004	INTERMEDIATE SVC052	ADVANCED SVC005	SUMMER SVC053
Bacteria/Fungi/Mold/Yeast	Manufacturer	•	•	•	•
Water by Kari Fischer	mod. ASTM D6304C	•	•	•	
Water and Sediment	ASTM D2709		•	•	•
API Gravity	ASTM D7777		•	•	•
Cetane Index	ASTM D976		•	•	•
Cloud Point	ASTM D7689			•	
Distillation	ASTM D7345		•	•	•
Elemental Metals Analysis by ICP	mod. ASTM D5185			•	•
Flash Point (Closed Cup)	ASTM D3828			•	•
Pour Point	ASTM D7346			•	
Sulfur	ASTM D7220			•	•
Thermal Stability at 40C	mod. ASTM D6468			•	•
Viscosity at 40C	mod. ASTM D445			•	•

HOW FLUID ANALYSIS WORKS

1. Collect oil, coolant, and fuel samples regularly from generators
2. Submit sample information online or through the mobile app
3. Ship samples to a nearby laboratory using a trackable mail service
4. Receive sample reports with data analysis comments and maintenance recommendations
5. Schedule recommended fluid drains or equipment maintenance

KOHLER POWER SYSTEMS LABORATORIES

SEND SAMPLES TO A LOCATION NEAREST YOU.

① Edmonton
5140 75th Street
Edmonton, Alberta Canada T6E 6W2

② Salt Lake City
3060 W. California Avenue, Suite B
Salt Lake City, UT 84104

③ Indianapolis
7451 Winton Drive
Indianapolis, IN 46268

④ Houston
10910 W. Sam Houston Pkwy. N.
Suite 700
Houston, TX 77064-6314

QUALITY TESTING

Kohler testing laboratories are committed to providing timely, accurate data for maintenance and reliability purposes. We ensure all personnel apply, and continually look to improve, the policies and procedures documented in our Quality Management System that meets or exceeds the requirements of ISO 17025:2005 as accredited by the A2LA.

For more information, contact your KOHLER source of supply.
Or call toll-free in the U.S. and Canada 800-544-2444.

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