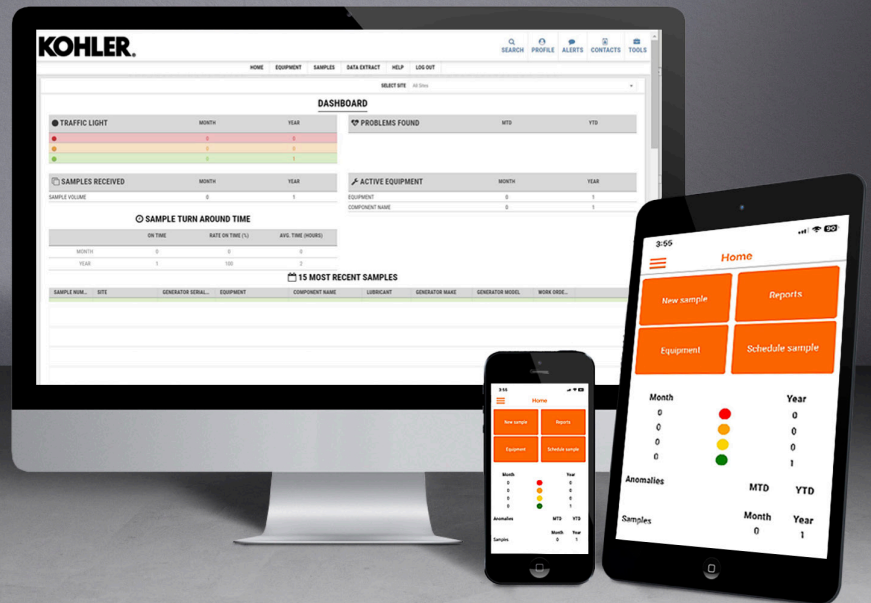


KOHLER®



| Genuine Parts
Fluid Analysis
Program

KOHLER® *Fluid Analysis* Program

PROTECTING THE GENERATOR THAT PROTECTS YOUR POWER.

At Kohler Power Systems, we aim to keep your generator 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
- Achieves peak efficiency
- Optimizes equipment performance
- 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 SVC056		Advanced SVC057	
		Diesel	Natural Gas	Diesel	Natural Gas
Elemental Analysis by ICP	Mod. ASTM 05185	•	•	•	•
Water by Crackle	In-house Method	•	•	•	•
Viscosity at 40°C or 100° C	Mod. ASTM 0445	•	•	•	•
Fuel Dilution	ASTM 07593	•		•	
Soot%	ASTM E2412, FTIR	•		•	
Acid Number	Mod. ASTM 0664			•	•
Base Number	Mod. ASTM 04739			•	
Oxidation/Nitration	ASTM E2412, FTIR			•	•
Particle Quantifier	Manufacturer			•	•

KOHLER COOLANT TEST PACKAGE

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

SVC058	Standard Test Method Used
Elemental Analysis by ICP	ASTM 06130
Glycol % (EG or PG)	In-House Method
Freeze Point	Mod. ASTM 03321
Boil Point	In-House Method
Nitrites	In-House Method
SCA Number	In-House Method
Total Hardness	In-House Method
pH	ASTM 01287
Specific Conductance	Meter Measurement
Specific (color, oil, fuel, magnetic precipitate, nonmagnetic precipitate, odor, and foam)	In-House Method



DIESEL FUEL TEST PACKAGE

Diesel fuel test packages offer regular screening in addition to the ability to troubleshoot if experiencing problems.

Basic w/ Biodiesel	Basic	Advanced	8 Point Fuel Sample	Fuel Tests	Methods
SVC062	SVC059	SVC064	SVC065		
•	•			Water, Karl Fischer (ppm)	D6304
		•		Water, Karl Fischer (%)	D6304
•	•	•	•	Bacteria, Fungi & Mold	Manufacturer
•				% Biodiesel (FAME)	D7371
		•		Elemental Analysis (24 by ICP)	D5185 or D6595
		•		Water & Sediment	D2709
		•	•	Flash Point (Closed Cup)	D93
		•	•	Cetane Index	D976
		•	•	Distillation	D86
		•	•	API Gravity	D4052
		•		Thermal Stability	D6468
		•		Viscosity @40C	D445 or D7279
		•	•	Sulfur	D4294
		•	•	Cloud Point	D2500
		•	•	Pour Point	D97
				Particle Count	ISO 4406

Kohler Energy Laboratories

SEND SAMPLES TO A LOCATION NEAREST YOU.

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.

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