

# Fluid Analysis

For diesel engine, hydraulic, powertrain, cooling, and fuel systems



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## Knowledge is power



### Take the guesswork out of machine maintenance

The John Deere Fluid Analysis program tells you what's going on inside all of your machine's major components. So, if your engine, transmission, or hydraulic pump require maintenance, you'll know it — usually before you see a decline in performance. You won't have to guess if it's time to change fluids, overhaul your equipment, or even trade in your machine.

Routine fluid analysis can head off catastrophic downtime, optimize drain intervals, help you make informed decisions, and save you money. Fluid analysis also helps you schedule service procedures during low-use periods. So, instead of reacting to downtime, you manage it.

John Deere oil, fuel, and coolant analysis kits can be used to test all brands of fluids and equipment. Be sure to use the appropriate analysis kit for each type of fluid.

### Oil analysis

The Universal Oil Analysis Kit (AT346594) provides a comprehensive lubricant analysis appropriate for all compartments. Monitor for moisture, wear debris, contaminants, and remaining useful life of engine oil, hydraulic fluid, or powertrain lubricants. Also, oil analysis is an important part of planned maintenance agreements. See your local John Deere service dealer about maintenance contracts.

### Fuel analysis

Find out if water, particulates, or bacteria contaminate your diesel or biodiesel fuel. Our fuel test kits (AT180344 or TY27329) include a comprehensive analysis covering both summer and winter fuel conditions, and long-term fuel storage situations. Fuel analysis lets you feel confident that the fuel you run meets the requirements of today's engines with higher fuel injection pressures. Clean fuel means a healthier, high performing engine.

### Coolant analysis

Give yourself plenty of time to react if your coolant is abnormal or cooling system is not performing. Our coolant test kit (TY26873) provides an early-warning system that can **prevent up to 40 percent of engine failures.**

### Easy sampling

Convenience is the whole point of the John Deere Fluid Analysis program, so we keep it simple:

- Extract fluid samples.
- Record fluid and machine data.
- Send sample bottle and form to the lab.

That's it. One of eight North American labs will process your sample quickly and accurately. Then you get a full Web-based report of the health of your equipment, with specific recommendations for actions.





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## Immediate notifications and alerts

If your fluid sample indicates a serious problem, you'll be notified by email, on our website, or through a free mobile app for iPhone, iPad, and Android. To find the Webtrieve™ mobile app, please visit the Apple iTunes store or Google Play store and search for "ALS Tribology."

Get sample alerts in the palm of your hand:

- View lab results
- View sample diagnoses
- Set sample condition alerts
- View summaries of equipment condition



DSWT103 Litho in U.S.A. (14-08)

## Reliable third-party analysis

Many fluid analysis programs don't analyze all parameters or provide consistent results. With the John Deere Fluid Analysis program, your samples are sent to a global, independent laboratory that uses state-of-the-art technology to assess fluid samples for both chemical and physical properties. Your fluid is thoroughly tested for wear metals, additives, and contaminants. We measure remaining useful life of all engine, hydraulic, and powertrain fluids.

## Follow trends for a single application or your entire fleet

Trending analysis allows you to view, on a test-by-test basis, any trends in results over a specified period of time. View trends either graphically or in a tabular format. Select **any** or **all** of the tests for an individual machine's history or keep tabs on your entire fleet. You can even download trending data in CSV (Excel) or XML format for further study.

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