

FLUID ANALYSIS



JOHN DEERE



The start of a great relationship

The first step is to get together with your local dealer and discuss how a Fluid Analysis program would benefit your operation. Together, you can develop a new game plan that will help you get a grip on your owning and operating costs — a plan that raises both productivity and profits to new levels.

It's easy

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 using the form, mobile app, or web.
- Send sample bottle and form to the lab.

That's it. Results and recommendations will be reported to you promptly.

Fluid Analysis offers extensive testing for engine, hydraulic, powertrain, cooling, and fuel systems. Evaluations are standard and offer leading indicators for machine monitoring.

Service comes first

Between your dealer and the laboratory support staff, you can count on getting all the personal attention you need. Seven regional labs process samples quickly and accurately — within 48 hours after they're received. Then, you'll get a full report on your machine with easy-to-read tables. If your samples indicate a serious problem, you'll be notified immediately.

Two more fluid-sampling solutions that will keep you running

Diesel fuel analysis lets you feel confident about the fuel you run in your machines. It's an easy way to know if your fuel is:

- Contaminated by water or particulates.
- Proper for your application.
- Within ASTM specifications.
- Acceptable for cold-temperature operation.

Coolant analysis provides an early-warning system that can prevent up to 40 percent of engine problems. If your coolant is abnormal or not performing, you'll know in plenty of time to act. The advance warning comes in the form of a detailed report that gives specific recommendations.





Knowledge is power

Fluid Analysis aims to drastically reduce catastrophic downtime, optimize drain intervals, and save you money. With a Fluid Analysis program, you won't have to guess if it's time to change fluids; overhaul your engine, transmission, or hydraulic system; or even trade-in your machine...you'll know! It even protects the resale value of your equipment.

That's why oil analysis is an important part of any Extended Warranty and Planned Maintenance Agreement. It establishes a history on each machine that helps you make informed, proactive decisions on machine maintenance. The end result is less downtime, lower stress levels, and bigger numbers on your bottom line.

State-of-the-art analysis



Many fluid analysis programs don't do your equipment or your business justice because they don't give you the full story. The John Deere Fluid Analysis program monitors both the condition of the operating equipment and the integrity of the fluid in service so you will know what's going on inside all of your machine's major components. If your engine, transmission, or hydraulic pump starts to show accelerated wear, you'll know it — usually before you see a decline in performance.

Specialists use state-of-the-art technology to test oil samples for both chemical and physical properties. An emission spectrometer screens your oil for wear metals, additives, and contaminants. Modern up-to-date instrumentation measures and reports data

for fluid integrity and equipment health. Additional tests are performed to evaluate indicators of fluid degradation.

Fluid Analysis also helps you schedule service procedures during low-use periods. So, instead of reacting to downtime, you manage it. By preempting catastrophic downtime, you can preserve the value of your major component systems, plus avoid collateral damage to other parts and systems.



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