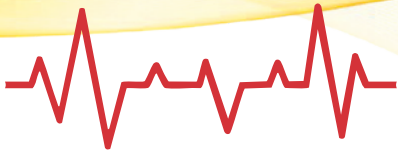


In-Store Fluid Analysis Services

Clean Oil for Predictive Maintenance

Power Drives, Inc. (PDI) partnering with **Schroeder Industries**, will analyze your fluid to determine contamination, and recommend treatment strategies.



Your hydraulic equipment is the beating heart of your business...

Just like a blood test does for a human being, a fluid sample is the best way to begin assessing the health of your equipment and diagnosing any underlying issues related to contamination.

The fluid analysis kits from PDI, provides the necessary tools to determine the level of contamination present in the sample.

Fluid Analysis Services

- **Prevent costly equipment failures** and downtime before they happen by detecting and treating contaminated fluid.
- **Save money on repairs** by protecting system components from contamination and extending their lifespan.
- **Get the most out of your hydraulic oil** by detecting and treating contamination before the oil's life is exhausted.
- **Increase fuel efficiency** not just by filtering your fuel source, but by improving overall system efficiency through reduced contamination-related wear.

Test Kits

For the fluids that power your equipment, PDI has the test kits that keep you informed of their condition.

- **Hydraulic Fluid Test Kit**
- **Diesel Fuel Test Kit**

It is estimated that

**OVER
70%**

of hydraulic system
failures are related to
fluid contamination.



800.888.1373 • sales@powerdrives.com • powerdrives.com



Fluid Laboratory Tests

Particle Count

Particle contamination is responsible for most of the wear that causes mechanical failure. The amount of damage inflicted depends largely upon particle size. Contamination must be controlled in any system deemed critical to operation or expensive to repair. Accurate particle count trends are an effective means of monitoring contamination and wear.

Water Content

Water is the second most destructive contaminant in hydraulic systems. Water can reduce lubricity, encourage rusting, form sludge, and encourages oxidation, corrosion and cavitation. By knowing the water content of your system, you can help stop the damage water causes to critical system components.

Sampling Frequency

Below is a listing of commonly cited sampling frequencies.

These are given as a starting point only. Sampling frequency should be increased as environment severity and system criticality increase.

Equipment Type	Hours
Hydraulics - Industrial	700
Hydraulics - Mobile	200
Hydraulics - Aviation	150
Steam Turbines	500
Transmissions	300
Air/Gas Compressors	500
Chillers	500
Gear Boxes - High Speed/Duty	300
Gear Boxes - Low Speed/Duty	1000
Bearings - Journal and Rolling Element	500
Diesel Fuel - Bulk Storage	Quarterly
Diesel Fuel - Day Tanks	Quarterly

For more information or to request a fluid analysis kit, contact one of our Express Hose Centers.

Power Drives Express Hose Center (Buffalo)
801 Exchange Street
Buffalo, NY 14210
716.512.7786
716.713.4124 After Hours Emergency

Power Drives Express Hose Center (Tonawanda)
1075 Sheridan Drive
Tonawanda, NY 14150
716.725.6577
716.698.8884 After Hours Emergency

Power Drives Express Hose Center (Rochester)
2425 Brighton Henrietta Town Line Rd.
Rochester, NY 14623
585.424.6688
585.472.1467 After Hours Emergency

Power Drives Express Hose Center (Erie)
2250 W 23rd Street
Erie, PA 16506
814.833.8182

Power Drives Express Hose Center (Pittsburgh)
910 Jefferson Ave.
Washington, PA 15301
724.884.0214
724.350.3576 After Hours Emergency