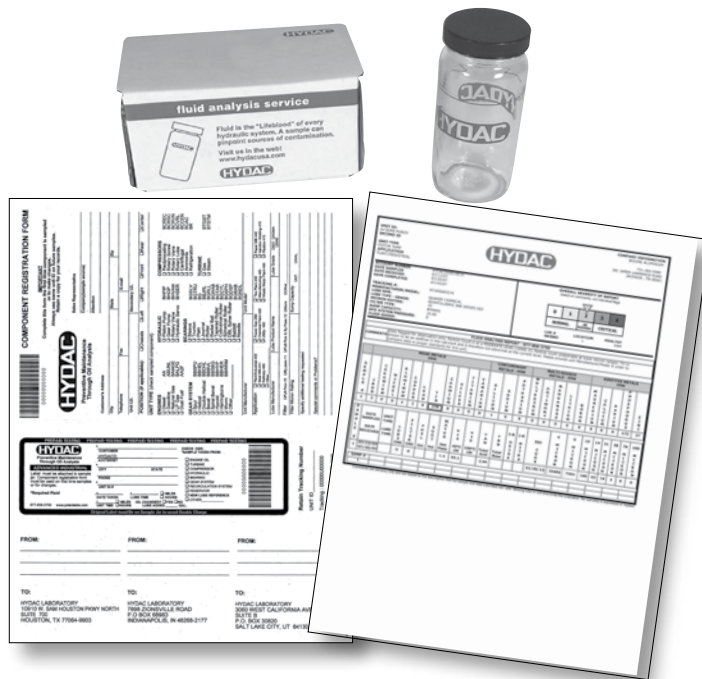


## FAS Series Fluid Analysis Service



Additional Oil Analysis Tests are available; contact factory for information

### Oil Analysis Reports:

Each Fluid Analysis Kit contains:

- Clean Sample Bottle
- Component Registration Form (CRF)
- Packaging for mailing sample
- Prepaid Fluid Analysis Service

Choice of three ISO 17025 A2LA accredited laboratories to send the samples. Addresses are included on the Component Registration Form

- All locations are within 48 hours ground transit from nearly anywhere in the continental United States
- Results returned within 24-48 hours after lab receipt of the test samples
- Fast email or fax notification of high severity results

A Component Registration Form (CRF) is included with each sample bottle kit, but it only needs to be filled-out the first time each piece of equipment is sampled or to make changes. After the initial sample, the CRF information is stored under the Unit ID #.

Sample results will be e-mailed to the e-mail address supplied on the CRF. Additionally, a Username and Password will be emailed to each report recipient who provides an e-mail address on the Component Registration Form (CRF). This feature allows multiple users to view the reports simultaneously. The Username and Password provides the recipient with access to [www.oilreports.com](http://www.oilreports.com) where a personal internet account has been set-up. From this site, the full sample report with the capability of graphing and trending analysis is available online as well as the complete testing history is securely stored.

### Premium Oil Sample Testing

**Test Kit part number: 02702060** (includes a box of 10 sample bottle kits)

Oil sample analysis for standard mineral hydraulic and lube oil includes the following tests:

- Spectrometals by ICP (24 Metals including Wear, Contaminant, Additive & Multi-Source) – D5185
- Viscosity @ 104°F (40°C) (ASTM D445)
- Water % by Crackle (Karl Fischer if Crackle is Positive)
- Total Acid Number – TAN (ASTM D664)
- Particle Count (as per ISO4406:1999 - 3 digit ISO code 4, 6, 14)

**Test Kit part number: 02095151** (includes a box of 10 sample bottle kits), the same as the above analysis as well as a photomicrograph

### Water Glycol Sample Testing:

**Test Kit part number: 02702057** (includes a box of 10 sample bottle kits)

This kit includes specific analysis parameters for the water to oil ratio of the Glycol. Karl Fischer Water is done and pH is tested instead of TAN. If the water concentration is tested out of specification to the identified lubricant, the lab will give the current concentration level and then make a recommendation for the acceptable water concentration percentage range for the stated lubricant. The tests included are as follows:

- Spectrometals (24 Metals by ICP including Wear, Contaminant, Additive & Multi-Source) – D5185
- Viscosity @ 104°F (40°C) – ASTM D445
- Water by Karl Fischer in PPM – ASTM D1744
- pH (If a Standard Mineral Oil is Identified, then TAN is done)
- ISO Particle Count (as per ISO4406:1999 - 3 digit ISO code 4, 6, 14)

### HYDAC Canada Fluid Analysis Services *(Canada Customers Only)*

#### Contamination Analysis

Test Kit Part Number: 02552392 (single); 02552390 (pack of 10)

This kit identifies contamination before it hampers production and shortens component life and includes:

- Particle Count
- Water Content
- Viscosity
- Patch Test/Photo

#### Total Conditioning Analysis Kit

Test Kit Part Number: 02552393 (single); 02552391 (pack of 10)

Includes all the above tests PLUS it determines: additive; wear metal; contaminant and oxidation levels. Tests included in this kit are:

- Particle Count
- Water Content
- Total Acid Number
- Viscosity
- Patch Test/Photo
- Spectrographic Analysis

#### Water Glycol Analysis Kit

Test Kit Part Number: 02550327

This kit is designed exclusively for water glycol systems. Contamination, water content and viscosity are monitored. Tests included:

- Water Content
- Viscosity
- Patch Test/Photo
- Estimated ISO 4406 cleanliness code