



sample-analysis



FLUID ANALYSIS: SAMPLING PROCEDURES AND INTERVALS

Duratherm fluids are engineered to have a long service life and as a value-added service to you, our customers, we offer a complimentary, free-of-charge analysis program to ensure your investment is protected and your fluid life is optimized for your application.

With thousands of uses for heat transfer fluids and with each system utilizing the oil in a different manner, it is impossible to predict the life expectancy of a heat transfer fluid.

So to help you understand the condition of your fluid, we offer complete analysis including flash point, viscosity and TAN (Total Acid Number) and if warranted, we will complete a full gas chromatograph distillation.

Sampling Procedures

All we require is 300 ml (8 to 10 ounces) of fluid. We can provide a sample kit; however, any clean container suitable for shipping is acceptable.

Samples should be taken from a circulation point in the system in order to provide us with a good representation of the over all fluid. If sampling is ongoing, a sample point should be identified in the system and used for each subsequent sample.

In order to provide a complete 'snap shot' of the fluid's life cycle, it is recommended that a baseline sample be taken within a few days of commissioning a new system.

If you are replacing an existing fluid, we recommend a sample of the old fluid be retained as it's drained and then have it analyzed.

Once the system has been filled with Duratherm, an initial baseline sample should then be taken within a few days. This, combined with the 'before' sample of the old fluid, will help determine the efficiency of the oil change.

For an ongoing analysis we recommend working with our technical support team to determine a proper, routine analysis program for your specific application. However, the following general guidelines can be considered as recommended intervals.

For larger systems of 1900 liters or more (500 + gallons), a yearly sample is generally sufficient.

For smaller systems, often semi annual or quarterly samples should be considered.

Samples should be sent in any clean container suitable for shipping or we can supply a Duratherm sample container if needed.

Samples Should be Sent to:

Duratherm Analysis Dept.
29222 Trident Industrial Blvd.
New Hudson, MI 48165
1 800 446 4910

All Samples Should be Clearly Marked With:

1. Your company name and contact info
2. Machine or line number
3. Fluid type
4. Hours of use

1 800 446 4910 | www.durathermfluids.com



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Caption:

Description:

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