

Fluid monitoring — sampling matters!

Regular fluid monitoring is essential for safe and reliable operation.

- Sample after start-up, then at six months and every 12 months afterward.
- Sample after refill, conversion, major operational changes and troubleshooting.

Sampling tips

- Use an appropriate sample station with cooler less than 50°C.
- Sample from the main flow line for a representative sample.
- Use a safe sample container, and provide complete information.

Sampling process



1. Order a free sample analysis kit via **FluidGenius.net**.



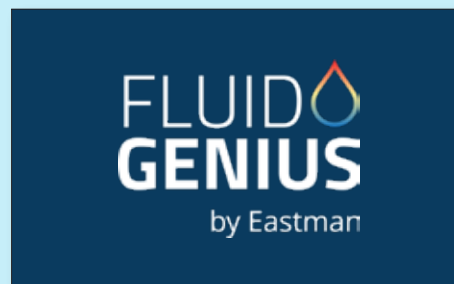
2. Collect the sample.



3. Package the sample.



4. Send to Eastman's ISO-certified laboratory.



5. Fluids analysis is reported via Fluid Genius. You will receive a **"Results are ready"** email with a link.

How to sample safely

To conduct your sample analysis, you will receive an all-inclusive and easy-to-use sample kit.

The Eastman HTF sample analysis kit includes:

- A 625-mL, wide-mouth aluminum bottle
- Label sheet with sample information, GHS pictograms and signal words
- Secure locking plastic cap
- Absorbent material
- Plastic pouch to hold the absorbent material and sample bottle
- Fluid Genius branded box for return shipping

Test fluid from heat transfer systems while minimizing risk.

There are several safety precautions you should take to safely sample heat transfer fluid. Consult your safety and technical department, since each system runs differently.

Position

Sample ports may be placed in a spot that requires stooping, is blocked by obstacles or is supported by other equipment. Encourage ergonomic sample port design to make the process simpler to begin.

Extreme temperature

Fluids you're sampling may be at their normal operating temperatures. Try to incorporate a sample cooler to minimize burn risk. Check the port area for uninsulated contact points, and watch for drips. Wear gloves, goggles and safety shoes.

Splish splash

Preparation can mitigate splashing. Minimize fluid pressure, and flush the port into a dry bucket. Use tubing that fits inside the bottle neck. Have a plan ready in case of splashing.

(Don't) spill it

Watch for spills. Work at ground level, if possible, to avoid drops. Don't let the fluid get into your drainage system. Have absorbent material ready if anything drops. Clean any contact areas immediately, including protective clothing.

Avoid vapor exposure

Use respiratory protection, and ensure the sample point is well ventilated to avoid inhaling vapors. Check exposure limits in section 8.1 of the SDS, and use PID detectors to detect concentration.

Release the pressure

Sample port plugging is possible with some Therminol® blends. Pressure is usually the cause of a plug. Patience is key to fixing it. Close the valve and apply thawing heat. Do not warm between blockages. Make sure the discharge tubing is clear during and after the process.

Fix a leak

Properly assembling parts as provided minimizes leak risk. Use all the provided parts without substitutions. When done, pack the sample properly into an adequate shipping box.

HTF analysis and reporting service

Sample results are reported through Fluid Genius, an integrated fluid monitoring platform backed by Eastman experts and the TLC Total Lifecycle Care® program. To learn more about taking a sample and accessing Fluid Genius, contact your distributor. For more information, visit [FluidGenius.net](https://www.fluidgenius.net).

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