

# LABORATORY SAMPLE ANALYSIS

Please fill out this form for all samples and include it in your sample shipment

\*Required fields

### GENERAL INFORMATION

Date Collected\*

Organization Name

Contact Name\*

Email\*

Telephone

### FILTER ANALYSIS ONLY

Runtime on Filter

 hours  cycles  
 km  miles

Date Filter Installed

### CHIP ANALYSIS ONLY

Collection Device

### EQUIPMENT INFORMATION

Equipment Make & Model\*

Equipment Fleet # or Registration #\*

Equipment Hours

### COMPONENT INFORMATION

Component Make & Model\*

Component Serial Number\*

Component Position

Oil Manufacturer & Grade\*

Component Time Since New

 hours  cycles  
 km  miles

Component Time Since Overhaul

 hours  cycles  
 km  miles

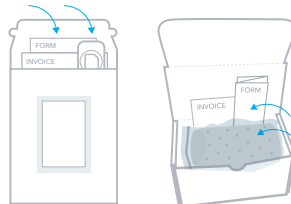
### LAB USE ONLY

Lab Comments/Notes

Lab ID#

## Prepare your sample and ship to Gastops laboratory

- Prepare your sample according to instructions on the back of this document.
- Fill out sample request form above or at [gastops.com/products-services/laboratory/sample-analysis-form](http://gastops.com/products-services/laboratory/sample-analysis-form).
- Place sample in cardboard mailer with the form.
- Include shipment paperwork (waybill and commercial invoice) with your sample.
- Courier to Dartmouth laboratory.



**Condition Monitoring Laboratory**  
 10-109 Williams Ave.  
 Dartmouth, NS B3B 2E3  
 Canada

### For more information, contact:

Laboratory Services | [gtllabns@gastops.com](mailto:gtlabns@gastops.com) | +1 902 434 3892 x 300

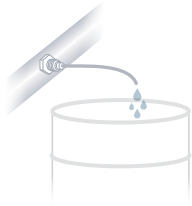
# SAMPLE PREPARATION INSTRUCTIONS

## Oil Analysis

### IMPORTANT

- Oil sample should be taken at a location before oil travels through filter. It is recommended to take sample from an oil sampling port.
- Sample must be taken when equipment is running, or within 15 minutes of shut down.

- 1** Purge a small amount of oil from the sample valve into a waste container.



- 2** Fill the sample jar 3/4 full with oil, swirl oil in sample jar, drain oil into waste container.



- 3** Collect oil sample, fill to shoulder of jar. Seal lid tightly.

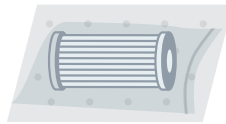


## Filter Analysis

- 1** Remove filter from equipment. Drain residual oil from filter. Place filter in first Ziploc bag. Seal Ziploc.

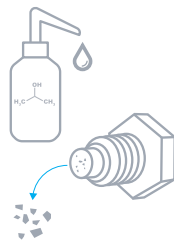


- 2** Wrap the Ziploc bag in absorbent pad provided. Place in the second Ziploc bag. Seal Ziploc.

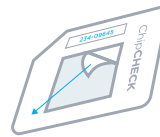


## Chip Analysis

- 1** Take the debris to be analyzed and remove all residual contamination (ex: oil) by rinsing with Isopropyl Alcohol. Allow the particles to dry completely. Ensure to clean each tool prior to handling the debris.



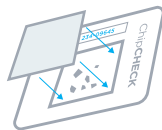
- 2** Remove the protective cover off the top surface of the Sample Patch by starting from the top right corner and peeling it directly across to the left.



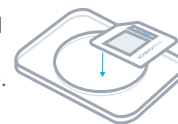
- 3** Place the particles onto the Sample Patch Window.



- 4** Re-apply the protective cover onto the Sample Patch window. This is to protect the sample prior to analysis, and can be used to pinch the patch and flatten particles further.



- 5** Place the prepared Sample Patch into the protective case.



### IMPORTANT

- Ensure that the particles are **SPREAD OUT** (do not overlap), and that they lay **FLAT** on the clear window.
- Particles thicker than 0.5 mm must be broken into smaller pieces and placed individually on the Sample Patch.