

# SAMPLE SUBMISSION FORM

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### Oil Analysis Laboratories

501 Madison Avenue C8-1175 Appleby Line  
 Cary, NC 27513 Burlington, ON L7L 5H9  
 USA CANADA  
 1-800-237-1369 1-800-268-2131  
 (919) 379-4102 (905) 569-8600  
 Fax (919) 379-4050 Fax (905) 569-8605

LIEBHERR sample kits will be replaced with unused kits if defective in manufacture, labeling, or packaging, or if lost by us or any associate company even though by negligence or other fault.

LIEBHERR shall not be liable or responsible for the future performance or failure of any engine, piece of equipment or material involved in any test or sample. The Company makes no warranties, representations, or guaranties with respect to the performance of any such engine, piece of equipment, or material.

**NOTE 1:** For sample identification, please ensure that you either print labels and place on the sample bottle or that you label the sample cap with the reference number (\*Label) shown below.

**NOTE 2:** Please attach 10 Sample Information Forms (SIFs) as proof of payment for these analysis.

#### Shipping Info

Shipped Via: N/A  
 Tracking Number: N/A  
 Shipped On: 06/05/2023  
 Submitted By: Bastian Firmbach [LIEBHERR CANADA LTD.]

#### Machine / Sample Info

Make: LIEBHERR  
 Machine ID: LIEBHERR L586 059873-1334  
 Machine Hrs: .0  
 Sample Date: 06/05/2023

#### Customer

Bird's Hill Gravel and Stone Ltd.  
 1 Terracon Place  
 Winnipeg, MB R2J 4B3 CA  
 Attn: Joel Malkoske  
 Ph: (204)663-0064 Fax:

*Label	Component	Time on Oil	Oil Maint	Filter Maint	Oil Type
358162	Diesel Engine		Changed	Changed	DIESEL ENGINE OIL SAE 30
358163	Transmission (Manual)		Changed	Changed	TDH FLUID SAE 70W80
358164	Hydraulic System		Not Changd	Changed	NOT GIVEN
358165	Front Left Wheel Hub		Changed	None	{ unknown }
358166	Front Differential		Changed	None	GEAR OIL SAE 80W90
358167	Front Right Wheel Hub		Changed	None	{ unknown }
358168	Splitter Box		Changed	None	GEAR OIL SAE 80W90
358169	Rear Left Wheel Hub		Changed	None	{ unknown }
358170	Rear Differential		Changed	None	GEAR OIL SAE 80W90
358171	Rear Right Wheel Hub			None	{ unknown }

#### SAMPLING INSTRUCTIONS AND PRECAUTIONS

For best results we suggest the following precautions when taking the sample.

**INSTRUCTIONS FOR TAKING SAMPLE** - the SAMPLE should not be taken MORE THAN 30 MINUTES after shutdown, and the oil should have been in service for at least 10 hours or 500 miles, before the oil can accurately reflect wear conditions.  
**AVOID CONTAMINATION OF THE SAMPLE** - Clean around the drain plug before draining. Remove the drain, and when about half the oil has run out, catch the sample by inserting the bottle into the oil stream. The bottle should be at least 3/4 filled. Do not remove the bottle cap until you are ready to take the sample, and recap the bottle immediately after filling. Take care not to confuse samples from different units.  
 Or, remove sample with a suction pump by inserting the siphon tube down the dipstick tube or into the sump/reservoir. The siphon tube must be clean by either replacement or rinsing with a solvent and drying. Do not rinse with gasoline or diesel fuel.  
 Or, Engines with sample ports (i.e. gauge plugs, probalizer mini-plugs), follow the specific instructions pertaining to the sampling device purchased.