

SAMPLE SUBMISSION FORM

LIEBHERR

CONSTRUCTION EQUIPMENT



Oil Analysis Laboratories

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 USA CANADA
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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: 09/15/2023
 Submitted By: Bastian Firmbach [LIEBHERR CANADA LTD.]

Machine / Sample Info

Make: LIEBHERR
 Machine ID: LIEBHERR L586 068244
 Machine Hrs: .0
 Sample Date: 09/15/2023

Customer

Gerdau - Mandak Metal Processors Ltd.,
 1 Railway St.
 Selkirk, MB R1A 2B3 CA
 Attn: Santiago Giraldo
 Ph: (204)482-6701 Fax: (204)482-8241

*Label	Component	Time on Oil	Oil Maint	Filter Maint	Oil Type
395836	Diesel Engine		Changed	Changed	PETRO CANADA SUPREME 5W30
395837	Transmission (Manual)		Changed	Changed	PETRO CANADA TRAXON SYNTHETIC 75W90
395838	Hydraulic System		Not Changd	Changed	PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL
395839	Front Left Wheel Hub		Changed	None	NOT GIVEN
395840	Front Differential		Changed	None	LIEBHERR GEAR BASIC 90 LS
395841	Front Right Wheel Hub		Changed	None	NOT GIVEN
395842	Splitter Box		Changed	None	PETRO CANADA TRAXON SYNTHETIC 75W90
395843	Rear Left Wheel Hub		Changed	None	NOT GIVEN
395844	Rear Differential		Changed	None	LIEBHERR GEAR BASIC 90 LS
395845	Rear Right Wheel Hub		Changed	None	NOT GIVEN

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.