

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(366422)] LIEBHERR LH30M 135772-1253 - Front Left Wheel

Sample No: LH0223393

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### Sample Information

Sample Number	LH0223393	LH	LH0223412	---
Sample Date	12 Jul 2024	03 May 2024	13 Oct 2023	---
Machine Hours	7083	6597	4937	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

HUBERT & FILS

474 ROUTE 105  
BOIS-FRANC, QC  
CA J9E 3A9

Contact: Eric Brisebois  
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T:  
F:



#### Oil Condition

Visc @ 40°C	cSt	133	79.5	94.5	---
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#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	41	21	49	---
Sodium	ppm	18	5	14	---
Potassium	ppm	4	<1	4	---



#### Wear Metals

Iron	ppm	373	227	253	---
Copper	ppm	4	6	2	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	6	2	11	---
Chromium	ppm	2	<1	1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	4	2	2	---
Vanadium	ppm	0	0	0	---



#### Additives

Calcium	ppm	312	60	107	---
Magnesium	ppm	9	4	11	---
Zinc	ppm	65	73	17	---
Phosphorus	ppm	1873	957	1034	---
Barium	ppm	2	<1	3	---
Boron	ppm	92	33	122	---

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: HUBBOI  
Unique No: 5814316  
Signed: Kevin Marson  
Report Date: 19 Jul 2024



### Graphs

