

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(366972)] LIEBHERR LH50M 134369-1216 - Front Left Wheel

Sample No: LH0223783

Oil Type: LIEBHERR GEAR BASIC 90 LS



9192-2443 QUEBEC INC. EQUIPEMENT REBP  
175 PORTAGE DES MOUSSES  
PORT CARTIER, QC  
CA G5B 2V9  
Contact: Service Manager



### Sample Information

Sample Number	LH0223783	LH	LH0119147	---
Sample Date	14 Jul 2024	25 Mar 2023	14 Sep 2022	---
Machine Hours	0	1905	861	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---



### Oil Condition

Visc @ 40°C	cSt	173	172	140	---
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T:  
F:



### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	13	6	6	---
Sodium	ppm	11	6	2	---
Potassium	ppm	2	1	1	---

### Diagnosis

We advise that you check for visible metal particles in the oil. We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Moderate concentration of visible metal present. Gear wear is indicated. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



### Wear Metals

Iron	ppm	118	39	26	---
Copper	ppm	23	15	31	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	1	<1	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	<1	2	4	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	3	1	<1	---
Vanadium	ppm	0	0	0	---



### Additives

Calcium	ppm	76	101	43	---
Magnesium	ppm	1	<1	<1	---
Zinc	ppm	48	31	51	---
Phosphorus	ppm	2092	2059	1209	---
Barium	ppm	<1	0	0	---
Boron	ppm	2	2	3	---

Depot: 919POR  
Unique No: 5813449  
Signed: Kevin Marson  
Report Date: 17 Jul 2024



### Graphs

