

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(336343)] LIEBHERR LH50M 124905-1216 - Rear Left Wheel

Sample No: LH0290551

Oil Type: MOBIL 75W90



#### Sample Information

Sample Number	LH0290551	LH0182510	LH0182496	LH0182482
Sample Date	27 Jun 2024	01 Jun 2021	29 Apr 2021	11 Mar 2021
Machine Hours	22074	4702	4100	3062
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

**CANFOR**  
101-161 E 4TH AVE  
VANCOUVER, BC  
CA V5T 3C1  
Contact: Service Manager



#### Oil Condition

Visc @ 40°C	cSt	179	105	85.8	88.7
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T:  
F:



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	2	6	6
Sodium	ppm	<1	2	6	6
Potassium	ppm	<1	<1	<1	<1

#### 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. Viscosity of sample indicates oil is within SAE 50 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.



#### Wear Metals

Iron	ppm	82	20	119	82
Copper	ppm	2	3	14	11
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	1	0	<1	<1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	2	1
Vanadium	ppm	0	0	<1	0



#### Additives

Calcium	ppm	3064	12	91	92
Magnesium	ppm	11	1	<1	<1
Zinc	ppm	927	7	27	26
Phosphorus	ppm	912	1487	1779	1742
Barium	ppm	<1	0	<1	<1
Boron	ppm	35	255	6	7

**Depot:** CAN101VAN  
**Unique No:** 5803093  
**Signed:** Kevin Marson  
**Report Date:** 05 Jul 2024



### Graphs

