

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 144587-1216 - Swing Drive

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



#### Sample Information

Sample Number	LH	LH	LH0242725	LH0250059
Sample Date	17 Jun 2024	12 Dec 2023	21 Jun 2023	23 Mar 2023
Machine Hours	3191	2050	1004	500
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

#### Industrial Metals

550 Messier St.  
Winnipeg, MB  
CA R2J 0G5  
Contact: Service Manager



#### Oil Condition

Visc @ 40°C	cSt	176	166	178	180
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T:  
F:



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	<1	<1	2
Sodium	ppm	1	2	2	3
Potassium	ppm	1	<1	1	1

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### Wear Metals

Iron	ppm	124	167	99	199
Copper	ppm	58	44	30	39
Lead	ppm	1	1	<1	2
Tin	ppm	2	2	1	2
Aluminum	ppm	<1	0	0	<1
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	8	8	10	14
Magnesium	ppm	2	2	<1	1
Zinc	ppm	15	20	12	12
Phosphorus	ppm	2304	2056	2377	2468
Barium	ppm	<1	1	2	12
Boron	ppm	10	18	2	4

Depot: IND550WIN  
Unique No: 5800576  
Signed: Wes Davis  
Report Date: 19 Jun 2024



### Graphs

