

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 144587-1216 - Front Differential

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH	LH0250060	---	---
Sample Date	12 Dec 2023	23 Mar 2023	---	---
Machine Hours	2050	500	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

#### Industrial Metals

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



#### OIL CONDITION

Visc @ 40°C	cSt	178	173	---	---
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	1	3	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	0	0	---	---

#### 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	4	4	---	---
Copper	ppm	27	8	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	14	9	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	15	8	---	---
Phosphorus	ppm	2222	1424	---	---
Barium	ppm	5	302	---	---
Boron	ppm	2	32	---	---

Depot: IND550WIN  
Unique No: 5696369  
Signed: Wes Davis  
Report Date: 14 Dec 2023



### GRAPHS

