

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 144587-1216 - Front Differential

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH	LH	LH0250060	---
Sample Date	17 Jun 2024	12 Dec 2023	23 Mar 2023	---
Machine Hours	3191	2050	500	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

Industrial Metals

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



Oil Condition

Visc @ 40°C	cSt	185	178	173	---
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<1	1	3	---
Sodium	ppm	1	2	3	---
Potassium	ppm	0	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	2	4	4	---
Copper	ppm	7	27	8	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	0	0	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	3	14	9	---
Magnesium	ppm	<1	<1	<1	---
Zinc	ppm	6	15	8	---
Phosphorus	ppm	2339	2222	1424	---
Barium	ppm	<1	5	302	---
Boron	ppm	<1	2	32	---

Depot: IND550WIN
Unique No: 5800575
Signed: Wes Davis
Report Date: 19 Jun 2024



Graphs

