

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 144587-1216 - Front Right Wheel Hub

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH	LH	LH0250066	---
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	171	162	146	---
-------------	-----	-----	-----	-----	-----

T:
F:



Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	9	9	11	---
Sodium	ppm	5	6	3	---
Potassium	ppm	2	2	<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	63	70	21	---
Copper	ppm	14	18	7	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	2	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	2	3	7	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	2	2	1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	90	140	286	---
Magnesium	ppm	2	1	2	---
Zinc	ppm	37	44	59	---
Phosphorus	ppm	2246	1898	1647	---
Barium	ppm	<1	<1	1	---
Boron	ppm	3	3	10	---

Depot: IND550WIN
Unique No: 5800570
Signed: Wes Davis
Report Date: 19 Jun 2024



Graphs

