

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 144587-1216 - Rear Right Wheel Hub

Sample No: LH

Oil Type: GEAR OIL LS 80W90



Sample Information

Sample Number	LH	LH	LH0250069	---
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	182	173	144	---
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T:
F:



Contamination

Water	%	0.029	NEG	NEG	---
Silicon	ppm	1	3	21	---
Sodium	ppm	2	4	5	---
Potassium	ppm	1	<1	3	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. 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	17	32	38	---
Copper	ppm	6	19	21	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	2	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	<1	8	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	2	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	13	55	302	---
Magnesium	ppm	<1	<1	2	---
Zinc	ppm	9	23	76	---
Phosphorus	ppm	2293	2163	1639	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	2	5	7	---

Depot: IND550WIN
Unique No: 5800573
Signed: Kevin Marson
Report Date: 21 Jun 2024



Graphs

