

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-123123 - Front Differential

Sample No: LH0212737

Oil Type: GEAR OIL SAE 80W90



RIVER METALS RECYCLING - NEWPORT
P.O. BOX 72-220
NEWPORT, KY
US 41072
Contact: RYAN BOWDEN

T:
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Diagnosis

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



SAMPLE INFORMATION

Sample Number	LH0212737	LH0212723	LH0212713	---
Sample Date	06 Jun 2023	30 Sep 2022	22 Nov 2021	---
Machine Hours	3117	2179	1014	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	121	81.1	110	---
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CONTAMINATION

Silicon	ppm	0	5	4	---
Sodium	ppm	0	0	6	---
Potassium	ppm	3	0	<1	---



WEAR METALS

Iron	ppm	8	10	6	---
Copper	ppm	11	34	10	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	<1	<1	0	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	2	<1	1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	19	30	32	---
Magnesium	ppm	6	5	6	---
Zinc	ppm	11	24	<1	---
Phosphorus	ppm	257	387	368	---
Barium	ppm	0	6	4	---
Boron	ppm	0	0	4	---

Depot: RIVNEW
Unique No: 10536748
Signed: Doug Bogart
Report Date: 02 Jul 2023



GRAPHS

