

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-123123 - Rear Differential

Sample No: LH0212738

Oil Type: GEAR OIL SAE 80W90



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

T:
F: (859)291-0086

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	LH0212738	LH0212724	LH0212714	---
Sample Date	06 Jun 2023	30 Sep 2022	22 Nov 2021	---
Machine Hours	3117	2179	1014	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	121	84.8	111	---
-------------	-----	-----	------	-----	-----



CONTAMINATION

Silicon	ppm	0	7	6	---
Sodium	ppm	0	1	8	---
Potassium	ppm	3	0	<1	---



WEAR METALS

Iron	ppm	4	30	16	---
Copper	ppm	10	77	22	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	1	0	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	2	1	1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	1	<1	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	19	42	45	---
Magnesium	ppm	6	5	5	---
Zinc	ppm	10	44	10	---
Phosphorus	ppm	217	597	597	---
Barium	ppm	0	<1	0	---
Boron	ppm	0	0	7	---

Depot: RIVNEW
Unique No: 10536744
Signed: Doug Bogart
Report Date: 02 Jul 2023



GRAPHS

