31 E R R 2 **CONSTRUCTION EQUIPMENT**

LIEBHERR LH50M 1216-123123 - Front Differential

Sample No: LH0212737

Oil Type: GEAR OIL SAE 80W90

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 Changd	Changed	Changed	
Sample Status	NORMAL	NORMAL	NORMAL	

۲	OIL CONDITION			
Visc @	40°C	cSt		

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ONDITION	
cSt	0 121

Silicon	ppm	0 🔘	5	04	
Sodium	ppm	0 (0	6	
Potassium	ppm	03	0	◯ <1	

81.1

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WE/	AR META	LS			
Iron	ppm	8	0 10	6	
Copper	ppm	0 11	◯ 34	0 10	
Lead	ppm	0 (0	0	
Tin	ppm	0 🔘	○ <1	0	
Aluminum	ppm	○ <1	◯ <1	0	
Chromium	ppm	0 🔘	0 0	○ <1	
Molybdenum	ppm	0 2	◯ <1	01	
Nickel	ppm	0 🔘	0 0	○ <1	
Titanium	ppm	0	0	0	
Silver	ppm	0	<1	0	
Manganese	ppm	0 🔘	◯ <1	○ <1	
Vanadium	mqq	0	<1	<1	

ø **ADDITIVES** Calcium 0 19 ppm 0 30 0 32 Magnesium ppm 06 $\bigcirc 5$ 6 Zinc 011 24 ○ <1 ppm 0 368 Phosphorus 0 257 0 387 ppm Barium ppm 0 06 04 Boron 0 ppm $\bigcirc 0$ 04





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.

Depot:	RIV
Unique No:	105
Signed:	Dou
Report Date:	02 J

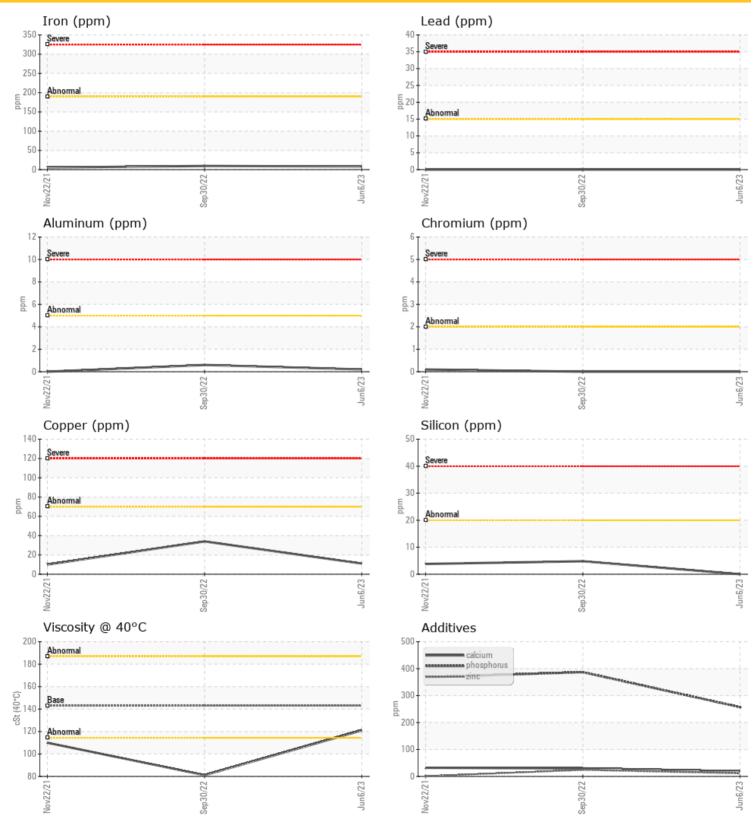
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GRAPHS

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