LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 1216-108671 - Rear Differential

Sample No: LH0258752

Oil Type: GEAR OIL SAE 80W90

Sample Number		DRMATION LH0258752	LH0263994	LH0243415	LH0254779
Sample Date		23 Feb 2024	14 Dec 2023	05 Sep 2023	12 Apr 2023
Machine Hours		20036	19125	17864	16979
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
4400	CONDITION	AN			
			O 122		O 138
Visc @ 40°C	cSt	O 119	O 122	126	O 138
Visc @ 40°C		O 119	○ 122	○ 126	138
Visc @ 40°C	cSt	O 119	○ 122 NEG	○ 126 NEG	○ 138

Sodium	ppm	2	O 1	O 1	<1	
Potassium	ppm	 <1	O 0	1	O 0	
-						
(Ö) WE	AR META	16				
W WES	AR MEIA	LJ				
Iron	ppm	3	4	0 8	10	
Copper	ppm	1	O <1	3	O 1	
Lead	ppm	0	0	0	O 0	
Tin	ppm	○ <1	O 0	0	O 0	
Aluminum	ppm	○ <1	O 0	O 2	O 0	
Chromium	ppm	0	O 0	0	O 0	
Molybdenum	ppm	0	0	O 0	O <1	
Nickel	ppm	○ <1	O 0	O 0	O 0	
Titanium	ppm	0	<1	1	0	
Silver	ppm	0	O 0	0 0	O 0	
Manganese	ppm	 <1	O <1	O <1	O <1	
Mara a alla			0	4		

Manganese	ppiii	<u> </u>	0 < 1			
Vanadium	ppm	0	0	<1	<1	
ADD	ITIVES					
Calcium	ppm	38	4 3		O 115	
Magnesium	ppm	6	6	O 15	O 11	
Zinc	ppm	18	2 0	○ 32	49	
Phosphorus	ppm	855	○ 862	○ 693	O 741	
Barium	ppm	0	O 0	O 0	O 0	
Boron	ppm	0	O 1	4	O 13	



AMERICAN STATE EQUIPMENT CO.

2400 NORTH 14TH AVENUE WAUSAU, WI US 54401 Contact: CHRIS BARTNIK

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Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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.

Depot: LEC0008
Unique No: 10915866
Signed: Wes Davis
Report Date: 08 Mar 2024

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GRAPHS

