LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR L538 064492-1754 - Front Differential

Sample No: LH0263964

Oil Type: GEAR OIL LS 80W90

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SAN	IPLE INFO	RMATION		
Sample Number		LH0263964	LH0220798	
Sample Date		25 Oct 2023	19 Jan 2023	
Machine Hours		1045	464	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
<u> </u>				
OIL	CONDITIO	N		
Visc @ 40°C	cSt	130	O 183	
CON	TAMINA	ION		
Silicon	ppm	3	08	
Sodium	ppm	0 4	0 8	
Potassium	ppm	1	4	
(Ö)				
WEA	IR METAL			
Iron	ppm	27	O 47	
Copper	ppm	○ <1	O 1	
Lead	ppm	0	0	
Tin	ppm	0 <1	O <1	
Aluminum	ppm	0 <1	O <1	
Chromium	ppm	○ <1	O <1	
Molybdenum	ppm	○ <1	O <1	
Nickel	ppm	0	0	
Titanium	ppm	<1	<1	
Silver	ppm	0	0	
Manganese	ppm	2	0 8	
Vanadium	ppm	0	0	
ADD	ITIVES			
Calcium	ppm	31	O 46	
Magnesium	ppm	5	O <1	
Zinc	ppm	48	○ 33	
Phosphorus	ppm	972	O 2137	
Barium	ppm	19	3	
Boron	ppm	7	O 4	



AMERICAN STATE EQUIPMENT CO.

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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.

 Depot:
 LEC0008

 Unique No:
 10722232

 Signed:
 Sean Felton

 Report Date:
 01 Nov 2023

Contact/Location: CHRIS BARTNIK - LEC0008

CONSTRUCTION EQUIPMENT





GRAPHS

