# LIEBHERR

### **CONSTRUCTION EQUIPMENT**

### LIEBHERR LH50M 121164-1216 - Front Differential

Sample No: LH0274284

Oil Type: LIEBHERR GEAR BASIC 90 LS

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U SAM	PLE INFO	ORMATION			
Sample Number		LH0274284	LH0235222	LH	LH0177784
Sample Date		02 Oct 2023	08 Nov 2022	04 Oct 2021	06 Oct 2020
Machine Hours		4259	3298	0	0
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
	ONDITION	ON			
Visc @ 40°C	cSt	<b>178</b>	O 171	O 195	O 186
-4			0	0	
CON	TAMINA	ATION			
Silicon	ppm	<b>○</b> <1	O 1	O 1	<b>4</b>
Sodium	ppm	<b>2</b>	○ 3	<b>3</b>	O 2
Potassium	ppm	<b>0</b>	O <1	O <1	O <1
<b>◎</b> WEA	R META	LS			
Iron	ppm	<b>5</b>	O 7	O 11	<b>1</b> 0
Copper	ppm	<b>3</b>	O 4	O 5	<b>6</b>
Lead	ppm	<b>()</b> <1	0	O <1	O 0
Tin	ppm	<b>0</b> 0	0	0	0
Aluminum	ppm	<b>0</b> 0	O <1	O <1	O <1
Chromium	ppm	<b>0</b> 0	0	0 <1	0 <1
Molybdenum	ppm	<b>0</b> 0	0	0	0 <1
Nickel	ppm	0	0 <1	O <1	O <1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0 <1	0 0
Manganese	ppm	0	0 <1	0 <1	O <1
Vanadium	ppm	0	0	0	0
ADD	ITIVES				
Calcium	ppm	<b>2</b>	16	O 5	<b>0</b> 5
Magnesium	ppm	<b>0</b> 0	O <1	0	0 <1
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0

02

2475

**6** 

2482

8

1148



ACIER CENTURY INC 600 BERGE DU CANAL LACHINE, QC CA H8R 1H4 Contact: SERVICE

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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 oil. The condition of the oil is acceptable for the time in service.

Depot:ACILACUnique No:5658433Signed:Wes DavisReport Date:16 Oct 2023

**3** 

<1</p>

<1</p>

**2302** 

ppm

ppm

ppm

ppm

Zinc

Barium

Boron

Phosphorus

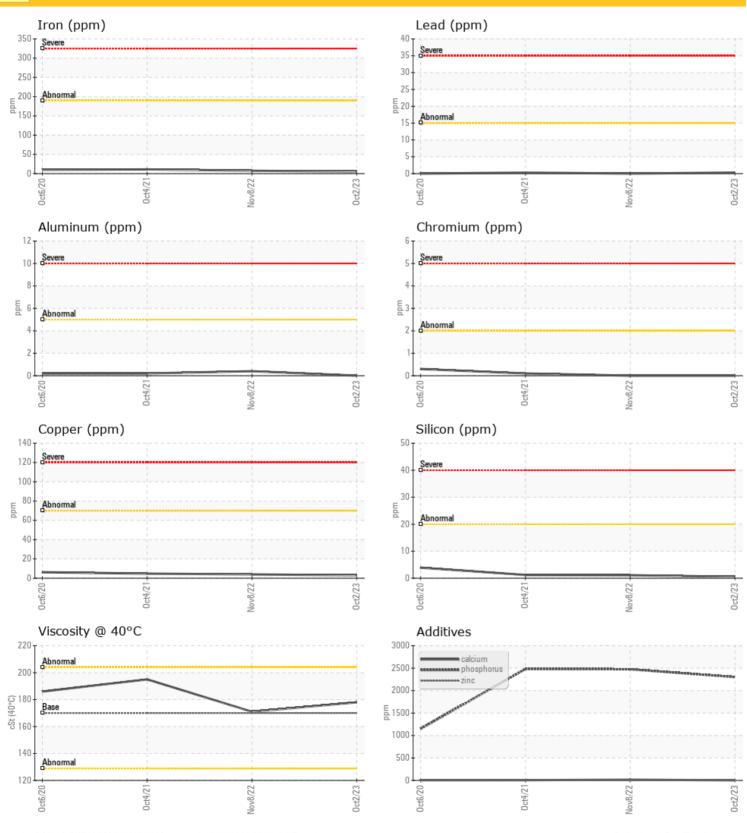
# LIEBHERR

CONSTRUCTION EQUIPMENT





#### **GRAPHS**



Report Id: ACILAC [WCAMIS] 02589367 (Generated: 10/27/2023 03:59:41) Rev: 1

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