# LIEBHERR

# **CONSTRUCTION EQUIPMENT**

## LIEBHERR L580 049453-1464 - Front Differential

Sample No: LH0278903

Oil Type: GEAR OIL SAE 75W90

<b>a</b>					
U SAM	PLE INFO	RMATION			
Sample Number		LH0278903	LH0251595	LH0216019	LH
Sample Date		14 Nov 2023	27 Jan 2023	31 Aug 2022	01 Feb 2022
Machine Hours		9097	7157	6321	4131
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
<u> </u>					
OILC	ONDITIO	N			
Visc @ 40°C	cSt	94.2	90.7	92.1	92.4
-4					
CON	TAMINAT	ION			
Silicon	ppm	<b>()</b> <1	<b>3</b>	<b>5</b>	<b>7</b>
Sodium	ppm	<b>0</b>	O <1	<b>1</b>	O 2
Potassium	ppm	<b>0</b>	O 0	O <1	O 1
<b>**</b>					
◎ WEA	R METAL	S			
Iron	ppm	<b>32</b>	O 41	O 72	O 95
Copper	ppm	<b>11</b>	O 16	<b>39</b>	O 53
Lead	ppm	<b>()</b> <1	O <1	O <1	O 2
Tin	ppm	<b>()</b> <1	O <1	<b>3</b>	O 5
Aluminum	ppm	<b></b> <1	<1	<1	<1
Chromium	ppm	<b>0</b>	O <1	O <1	O <1
Molybdenum	ppm	<b>0</b>	O 0	O 0	0
Nickel	ppm	<b>()</b> <1	0	<b></b> <1	0
Titanium	ppm	<b>0</b>	0	O 0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<b>0</b>	O <1	O 1	0 2
Vanadium	ppm	0	0	0	0
ADD	ITIVES				
Calcium	ppm	<b>10</b>	O 11	<b>10</b>	O 11
Magnesium	ppm	<b>0</b> 1	<b>3</b>	O 2	0 2
Zinc	ppm	<b>15</b>	<b>1</b> 7	O 25	O 27
Phosphorus	ppm	<b>2545</b>	O 2648	O 2547	2940
Barium	ppm	<b>0</b> <1	0	O 0	0
Boron	ppm	<b>320</b>	303	283	○ 306



Summit Aggregates 2686 Greenfield Blvd. Ayr, ON CA N0B 1E0 Contact: Greg . greg@summitagg.com T: (226)791-0161 F:

#### Diagnosis

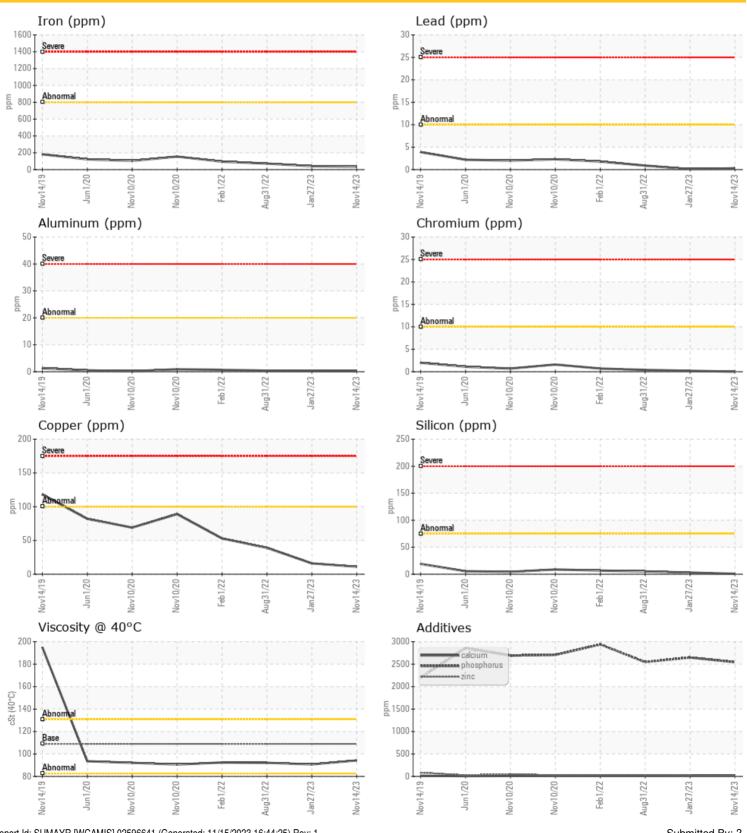
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SUMAYR
Unique No: 5681721
Signed: Kevin Marson
Report Date: 15 Nov 2023





### **GRAPHS**



Report Id: SUMAYR [WCAMIS] 02596641 (Generated: 11/15/2023 16:44:25) Rev: 1

Submitted By: ?