# LIEBHERR

**CONSTRUCTION EQUIPMENT** 

## LIEBHERR LH50 14791 - Front Right Wheel Hub

Sample No: LH0180266

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90

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U SAM	PLE INFOR	MATION			
Sample Number		LH0180266	LH	LH0260763	
Sample Date		09 Jan 2024	27 Dec 2023	16 Oct 2023	
Machine Hours		16000	22000	21000	
Oil Hours		0	0	0	
Oil Changed		Changed	Changed	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	
OIL C	ONDITION				
Visc @ 40°C	cSt	<b>126</b>	O 129	<b>127</b>	
CONTAMINATION					

CONTAMINATION							
Water	%	NEG	NEG	NEG			
Silicon	ppm	<b>13</b>	08	O 11			
Sodium	ppm	<b>2</b>	O 1	O 2			
Potassium	ppm	<b>1</b>	02	<b>1</b>			

WEA	R METAL	S			
Iron	ppm	<b>76</b>	O 70	○ 87	
Copper	ppm	<b>8</b>	0 2	<b>4</b>	
Lead	ppm	<b></b> <1	<b>0</b>	<1	
Tin	ppm	<b>0</b>	0	O 0	
Aluminum	ppm	<b>3</b>	0 2	O 2	
Chromium	ppm	<b>○</b> <1	O <1	O <1	
Molybdenum	ppm	<b>1</b>	0 2	<1	
Nickel	ppm	<b></b> <1	O <1	<1	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	<1	
Manganese	ppm	<b></b> <1	<b>O</b> 0	<1	
Vanadium	ppm	0	0	0	

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ADDI						
ADDITIVES						
Calcium	ppm	<b>18</b>	O 22	<b>15</b>		
Magnesium	ppm	<b>3</b>	<b>3</b>	<b>3</b>		
Zinc	ppm	<b>21</b>	<b>1</b> 4	<b>1</b> 3		
Phosphorus	ppm	<b>1740</b>	<b>1710</b>	O 1720		
Barium	ppm	<b>0</b>	0	O <1		
Boron	ppm	<b>301</b>	O 297	○ 312		



#### INTERFOR CORP 5060 RTE 430

BRUNSWICK MINE, NB

CA E2A 6W6

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#### Diagnosis

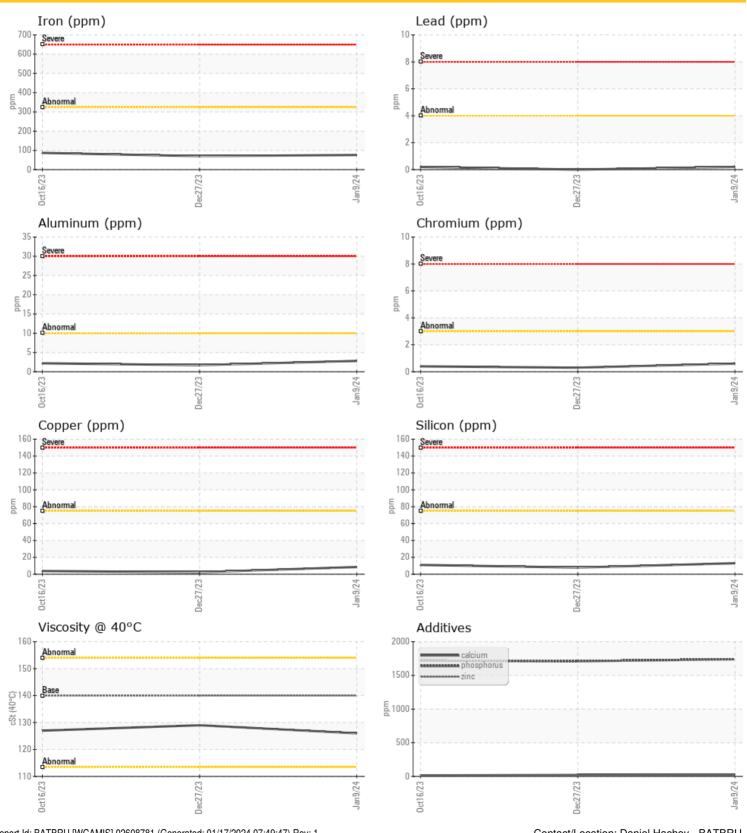
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:BATBRUUnique No:5709867Signed:Wes DavisReport Date:15 Jan 2024





### **GRAPHS**



Report Id: BATBRU [WCAMIS] 02608781 (Generated: 01/17/2024 07:49:47) Rev: 1

Contact/Location: Daniel Hachey - BATBRU