# **CONSTRUCTION EQUIPMENT**



## [(344091)] LIEBHERR LH40M 120553-1215 - Transmission (Ma

Sample No: LH0193878

Oil Type: PETRO CANADA 10W40

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SAMPLE INFORMATION						
Sample Number	LH0193878	LH0193864	LH0193850			
Sample Date	13 Feb 2024	21 Feb 2023	11 Oct 2021			
Machine Hours	4086	2835	1021			
Oil Hours	0	0	0			
Oil Changed	Changed	Changed	Changed			
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL			

### **OIL CONDITION 50.2** Visc @ 40°C

CONTAMINATION							
Water	%	NEG	NEG	NEG			
Silicon	ppm	<b>3</b>	O 4	O 2			
Sodium	ppm	<b>17</b>	O 29	<b>44</b>			
Potassium	ppm	<b>2</b>	0 2	<b>4</b>			

(O)					
WEA	<b>IR META</b>	LS			
Iron	ppm	<b>30</b>	○ 38	<b>1</b> 9	
Copper	ppm	<b>26</b>	○ 33	<b>2</b> 9	
Lead	ppm	<b>()</b> <1	<b>1</b>	<b>1</b>	
Tin	ppm	<b>()</b> <1	O 1	O <1	
Aluminum	ppm	<b>2</b>	O 2	<b>3</b>	
Chromium	ppm	<b>0</b>	O <1	O <1	
Molybdenum	ppm	<b>43</b>	<b>26</b>	O <1	
Nickel	ppm	<b>0</b>	<b>O</b> 0	O <1	
Titanium	ppm	0	<1	O 0	
Silver	ppm	<b>0</b>	O 0	O <1	
Manganese	ppm	<b>6</b>	O 11	<b>10</b>	
Vanadium	ppm	0	<1	<1	

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ADDITIVES						
E ADD	IIIAE2					
Calcium	ppm	<b>1811</b>	2483	3245		
Magnesium	ppm	<b>696</b>	O 415	<b>7</b>		
Zinc	ppm	<b>1205</b>	O 1185	O 1141		
Phosphorus	ppm	<b>1122</b>	O 1182	O 1123		
Barium	ppm	<b>()</b> <1	O <1	O 1		
Boron	ppm	<b>4</b>	O 4	<b>4</b>		



Goodies Trading Ltd. 8150 Aitken Road Chilliwack, BC CA V2R 4H5

Contact: Service Manager

T: 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 fluid. Viscosity of sample indicates oil is within SAE 10W range, advise investigate. The condition of the fluid is acceptable for the time in service.

Depot: GOOCHI Unique No: 5733416 Signed: Kevin Marson **Report Date:** 16 Feb 2024

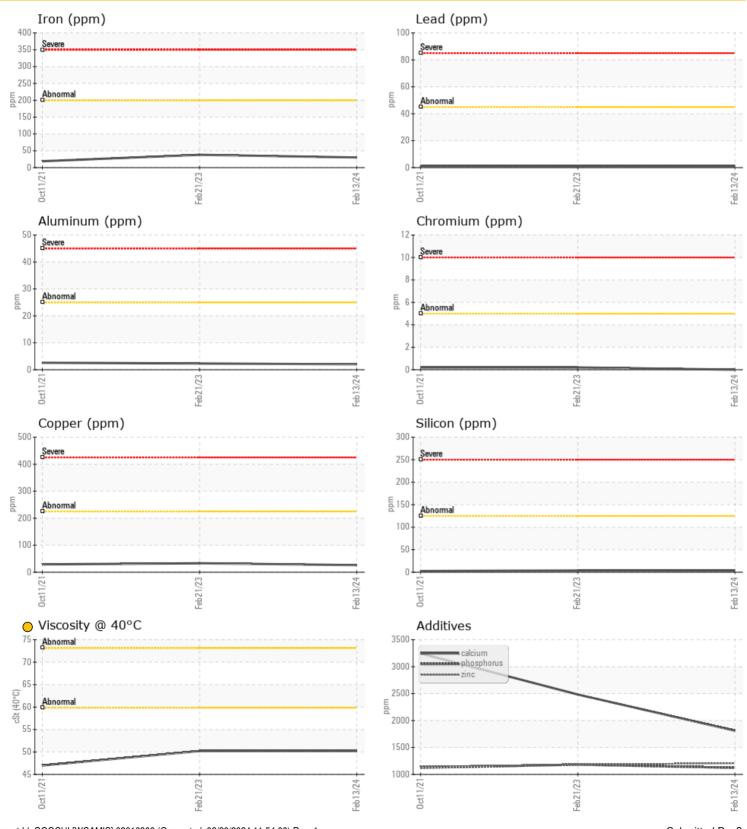
# LIEBHERR

CONSTRUCTION EQUIPMENT





### **GRAPHS**



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