



## NO UNIT LH0265118 - Diesel Engine

Sample No: LH0265118

**Oil Type:** NOT GIVEN

## **SAMPLE INFORMATION**

Sample Number	LH0265118	 	
Sample Date	13 Dec 2023	 	
Machine Hours	24504	 	
Oil Hours	0	 	
Oil Changed	Not Changd	 	
Sample Status	ABNORMAL	 	

Visc @ 100°C

### **OIL CONDITION** cSt %

Oxidation (PA)

# 2

Sodium

Potassium

<b>CON</b>	TAMIN	ATION		
Water	%	NEG	 	
Soot %	%	0 ()	 	
Nitration (PA)	%	36	 	
Sulfation (PA)	%	48	 	
Glycol	%	0.0	 	
Fuel	%	<1.0	 	
Silicon	ppm	<b>3</b>	 	

0 14.8

52

02

○ <1

## WEAR METALS

ppm

ppm

Iron	ppm	<b>○</b> <1	 	
Copper	ppm	<mark></mark> <1	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	01	 	
Chromium	ppm	0	 	
Molybdenum	ppm	<b>5</b> 6	 	
Nickel	ppm	<b>○</b> <1	 	
Titanium	ppm	0	 	
Silver	ppm	<b>○</b> <1	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

ADDITIVES						
Calcium	ppm	976				
Magnesium	ppm	<b>952</b>				
Zinc	ppm	0 1124				
Phosphorus	ppm	<b>972</b>				
Barium	ppm	0				
Boron	ppm	<b>6</b>				

#### Liebherr-Canada Ltd.

Fort McKay Industrial Park, Lot No. 12 and 13 Fort McMurray, AB CA T9H 5N3 Contact: Corey Ekroth corey.ekroth@liebherr.com T: (780)791-2967 F:

### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 40 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.All component wear rates are normal. There is a moderate concentration of water present in the oil. Free water present. Test for glycol is negative. The oil is no longer serviceable due to the presence of contaminants.

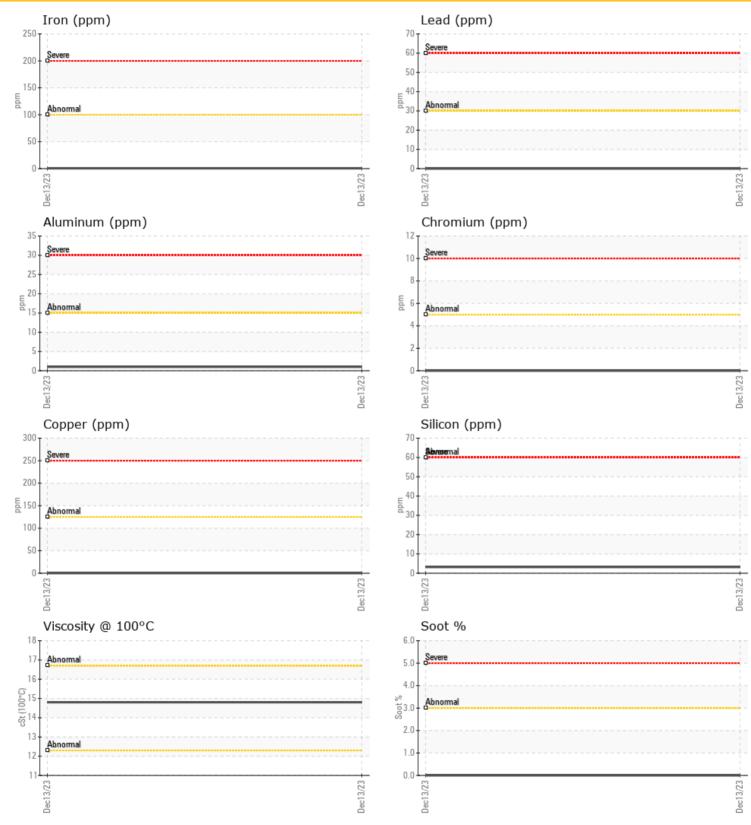
Depot: LIEFTM Unique No: 5697389 Signed: Kevin Marson **Report Date:** 22 Dec 2023





GRAPHS

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Contact/Location: Crane Division - Corey Ekroth - LIEFTM