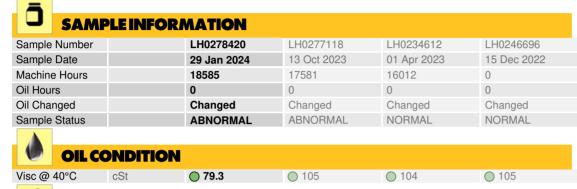
# LIEBHERR

## **CONSTRUCTION EQUIPMENT**

### LIEBHERR LH50M 110456-1216 - Swing Drive

Sample No: LH0278420

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



CONT	CONTAMINATION							
Water	%	<b>0.110</b>	NEG	NEG	NEG			
Silicon	ppm	<u> </u>	0 8	<b>4</b>	O 2			
Sodium	ppm	<b>1</b>	O 1	O <1	○ 3			
Potassium	ppm	<b>2</b>	02	O <1	O <1			

WEAR METALS						
PQ			<b>0</b>			
Iron	ppm	<b>10</b>	O 1308	O 615	<b>4</b>	
Copper	ppm	<b>0</b> <1	<b>198</b>	O 111	02	
Lead	ppm	<b>0</b> <1	<b>6</b>	<b>4</b>	O 0	
Tin	ppm	<b>0</b>	O 14	<b>7</b>	O 0	
Aluminum	ppm	<b>0</b> <1	O 2	<b>1</b>	O <1	
Chromium	ppm	<b>0</b>	<b>10</b>	<b>4</b>	0	
Molybdenum	ppm	<b>○</b> <1	O <1	O <1	O <1	
Nickel	ppm	<b>○</b> <1	<b>1</b>	O 1	0	
Titanium	ppm	<b>0</b>	O 0	O 0	O 0	
Silver	ppm	0	<1	0	0	
Manganese	ppm	<b>0</b>	<b>9</b>	<b>5</b>	0	
Vanadium	ppm	0	0	0	0	

ADDITIVES						
Calcium	ppm	49	<b>15</b>	<b>10</b>	O 15	
Magnesium	ppm	24	<b>1</b>	O 2	O 5	
Zinc	ppm	190	<b>24</b>	<b>19</b>	O 19	
Phosphorus	ppm	<b>1071</b>	O 1146	O 1277	O 1302	
Barium	ppm	<b>0</b>	O 2	O <1	O 0	
Boron	ppm	<b>223</b>	O 114	<b>108</b>	○ 315	



#### J.D. Irving

Truro Sawmill, 529 Valley Dale Road Truro, NS CA B2N 5C5

Contact: Sheldon Richardson richardson.sheldon@jdirving.com

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F:

#### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a trace of moisture present in the oil. There is a moderate concentration of dirt present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: JDITRU
Unique No: 5723841
Signed: Kevin Marson
Report Date: 13 Feb 2024

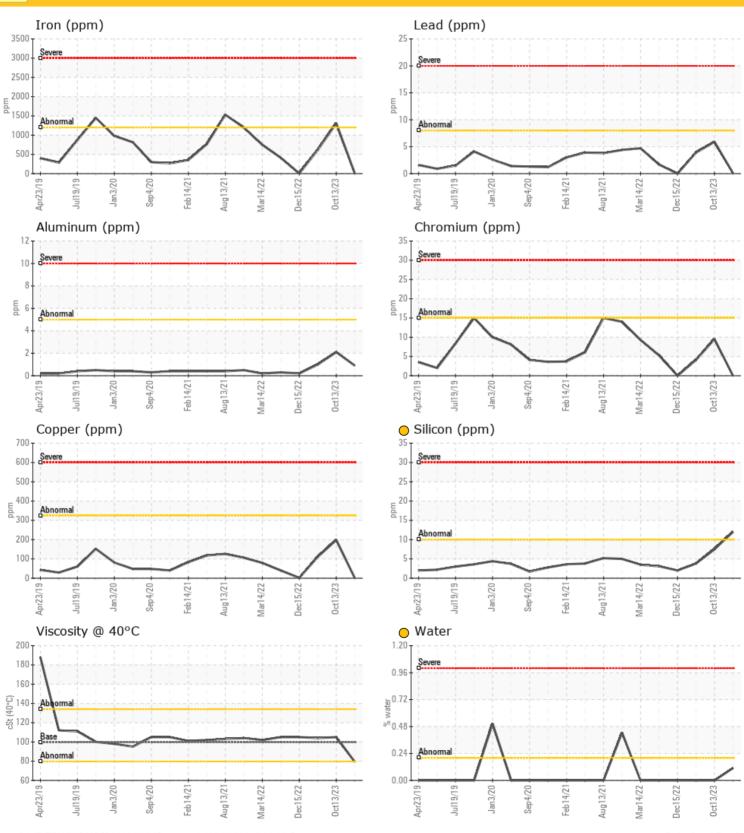
## LIEBHERR

CONSTRUCTION EQUIPMENT





#### **GRAPHS**



Report Id: JDITRU [WCAMIS] 02614746 (Generated: 02/13/2024 12:26:04) Rev: 1

Submitted By: ?