# LIEBHERR

## **CONSTRUCTION EQUIPMENT**



Sample No: LH0281202

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

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SAMPLI	INFORMATION			
Sample Number	LH0281202	LH0144862	LH	
Sample Date	18 Jan 2024	31 Jul 2019	22 May 2019	
Machine Hours	17608	15200	0	
Oil Hours	0	0	0	
Oil Changed	Not Changd	Not Changd	N/A	
Sample Status	NORMAL	NORMAL	NORMAL	
OIL CON	DITION			
Visc @ 40°C cS	ot	O 132	134	
=				
CONTAI	MINATION			

CON	CONTAMINATION						
Water	%	NEG	NEG	0.139			
Silicon	ppm	<b>○</b> <1	O <1	O <1			
Sodium	ppm	<b>12</b>	O 12	O 12			
Potassium	ppm	<b>1439</b>	O 1702	O 1639			

WEA	AR META	LS			
Iron	ppm	<b>22</b>	O 17	O 10	
Copper	ppm	<b>1</b>	O 2	<b>6</b>	
Lead	ppm	<b>0</b>	<b>O</b> 0	O <1	
Tin	ppm	<b>0</b>	O 0	O 0	
Aluminum	ppm	<b></b> <1	<b></b> <1	O <1	
Chromium	ppm	<b>0</b>	O <1	O 0	
Molybdenum	ppm	<b>0</b>	<b>0</b>	<1	
Nickel	ppm	<b>○</b> <1	O 0	O 0	
Titanium	ppm	<b>0</b>	<b></b> <1	O <1	
Silver	ppm	0	<1	0	
Manganese	ppm	<b>0</b>	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	<1	
Vanadium	ppm	0	0	0	

Vanadium	ppm	0	0	0	
ADD	ITIVES				
Calcium	ppm	<b>93</b>	<b>9</b> 1	86	
Magnesium	ppm	<b>()</b> <1	O <1	<1	
Zinc	ppm	19	<b>1</b> 9	20	
Phosphorus	ppm	507	518	498	
Barium	ppm	<b>2</b>	O 2	1	
Boron	ppm	1292	1546	1476	



#### Liebherr Canada

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#### Diagnosis

being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Confirm the source of the lubricant

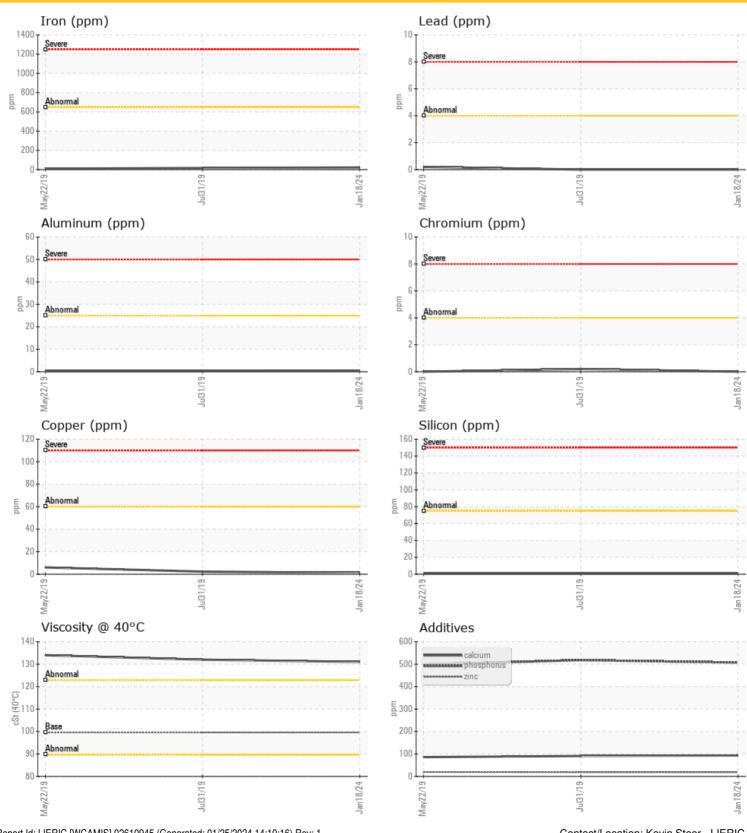
Depot: LIERIC
Unique No: 5720040
Signed: Kevin Marson
Report Date: 25 Jan 2024

Contact/Location: Kevin Steer - LIERIC





### **GRAPHS**



Report Id: LIERIC [WCAMIS] 02610945 (Generated: 01/25/2024 14:10:16) Rev: 1

Contact/Location: Kevin Steer - LIERIC