# LIEBHERR

# **CONSTRUCTION EQUIPMENT**



## [(355228)] LIEBHERR LH60M 114198-1217 - Front Left Wheel H

Sample No: LH0225131

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

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U SAN	<b>IPLE INF</b>	ORMATION			
Sample Number		LH0225131	LH0269773	LH0225073	LH0224842
Sample Date		07 Dec 2023	22 Sep 2023	10 Feb 2023	18 Nov 2022
Machine Hours		8004	7355	4980	4073
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
OIL	ONDITI	ON			
Visc @ 40°C	cSt	96.2	97.4	96.0	<b>100</b>

CONTAMINATION							
Water	%	NEG	NEG	NEG	NEG		
Silicon	ppm	<b></b> <1	0 1	O 2	02		
Sodium	ppm	<b></b> <1	O <1	O <1	02		
Potassium	ppm	<b></b> <1	<b>O</b> <1	O <1	0		

WEA	AR METAL	S				
Iron	ppm	<b>22</b>	<b>46</b>	O 71	<b>7</b> 6	
Copper	ppm	<b>11</b>	○ 23	<b>16</b>	O 24	
Lead	ppm	<b>()</b> <1	O <1	O <1	O <1	
Tin	ppm	<b>0</b>	O 0	O 0	O 0	
Aluminum	ppm	<b>0</b> <1	O <1	O <1	O <1	
Chromium	ppm	<b>0</b>	O 0	O <1	O <1	
Molybdenum	ppm	<b>0</b>	<b>0</b>	O 0	O 0	
Nickel	ppm	<b>O</b> <1	O <1	O 0	O 0	
Titanium	ppm	<b>0</b> 0	<b>O</b> 0	O <1	O 0	
Silver	ppm	0	<1	0	0	
Manganese	ppm	<b>0</b> 0	O <1	<b>1</b>	O 2	
Vanadium	ppm	0	0	0	0	

Vanadium	ppm	0	0	0	0
ADI	DITIVES				
Calcium	ppm	28	<b>8</b>	<b>1</b> 3	O 15
Magnesium	ppm	<b>0</b> <1	O 1	O 2	O 2
Zinc	ppm	25	O 23	23	○ 23
Phosphorus	ppm	<b>1225</b>	O 1263	1383	O 1389
Barium	ppm	<b>0</b>	O <1	<b>4</b>	O 7
Boron	ppm	<b>301</b>	○ 317	<b>293</b>	○ 288



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#### Diagnosis

Confirm the source of the lubricant 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.

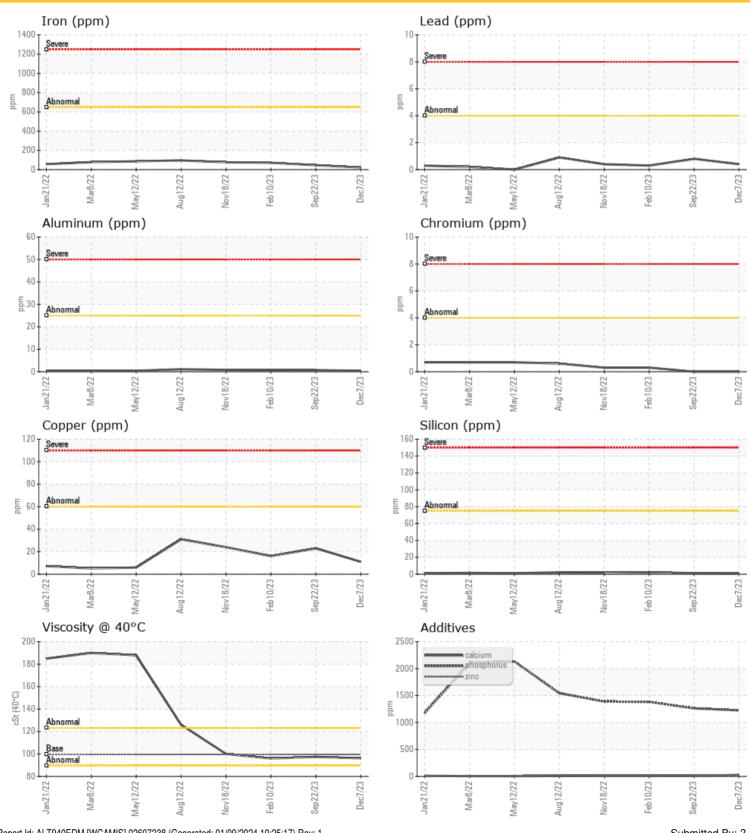
Depot: ALT940EDM Unique No: 5708324 Signed: Kevin Marson Report Date: 09 Jan 2024

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### **GRAPHS**



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Submitted By: ?