# LIEBHERR



## LIEBHERR A944CHD 063266 - Rear Right Wheel Hub

Sample No: LH0274442

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90

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JSAM	<b>PLE INFO</b>	RMATION			
Sample Number		LH0274442	LH	LH0130338	LH0123990
Sample Date		04 Aug 2023	21 Mar 2019	13 Jul 2018	28 Feb 2018
Machine Hours		19020	12983	11950	11203
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		ABNORMAL	NORMAL	NORMAL	NORMAL
A Clarac		ADITOTIMAL	110111111111	14011111111	1101111111111
OH C	ONDITIO				
			0.100	0.00.4	0.400
Visc @ 40°C	cSt	<b>101</b>	O 103	96.4	O 102
CON.	TAMINA'	TION			
Silicon	ppm	<b>Q</b> 4	02	O 2	O 4
Sodium	ppm	<b>0</b> 4	0 <1	0 <1	0 2
Potassium	ppm	O <1	0 0	0 0	0 <1
<b>WEA</b>	R METAL	.S			
Iron	ppm	<b>11</b>	0 6	O 3	0 7
Copper	ppm	O 91	O 22	O 23	O 32
Lead	ppm	<b>2</b>	0 <1	0 <1	0 <1
Tin	ppm	<u></u> 0	0 0	0 0	0 0
Aluminum	ppm	0 <1	0 <1	00	O <1
Chromium	ppm	<b>0</b> 0	0 0	0 0	0 0
Molybdenum	ppm	0	0 <1	O <1	00
Nickel	ppm	0	00	0 <1	O <1
Titanium	ppm	0	0 0	00	00
Silver	ppm	0	0	0	0
Manganese	ppm	O <1	0 <1	O <1	O <1
Vanadium	ppm	0	0	0	0
	ppiii	•	J	U	J
ADD	ITIVE6				
	ITIVES				
Calcium	ppm	<b>2</b>	O 7	0 8	0
Magnesium	ppm	<b>○</b> <1	O 3	<b>4</b>	<1
Zinc	ppm	<b>45</b>	O 16	<b>16</b>	<b>17</b>
Phosphorus	ppm	<b>1550</b>	O 1237	<b>1263</b>	O 1461
ъ .		O 1	0 0	0 0	0 0

0

324

 $\bigcirc$  0

315

 $\bigcirc$  0

252



Posner Metals 610 Beach Rd. Hamilton, ON CA L8H 3L1 Contact: Oscar Riano oscar@posner.ca T: (905)971-6754 F: (905)549-6044

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.Copper ppm levels are abnormal. Bearing and/or bushing wear is indicated. The water content is negligible. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:POSHAMUnique No:5619971Signed:Kevin MarsonReport Date:10 Aug 2023

<1</p>

**263** 

ppm

ppm

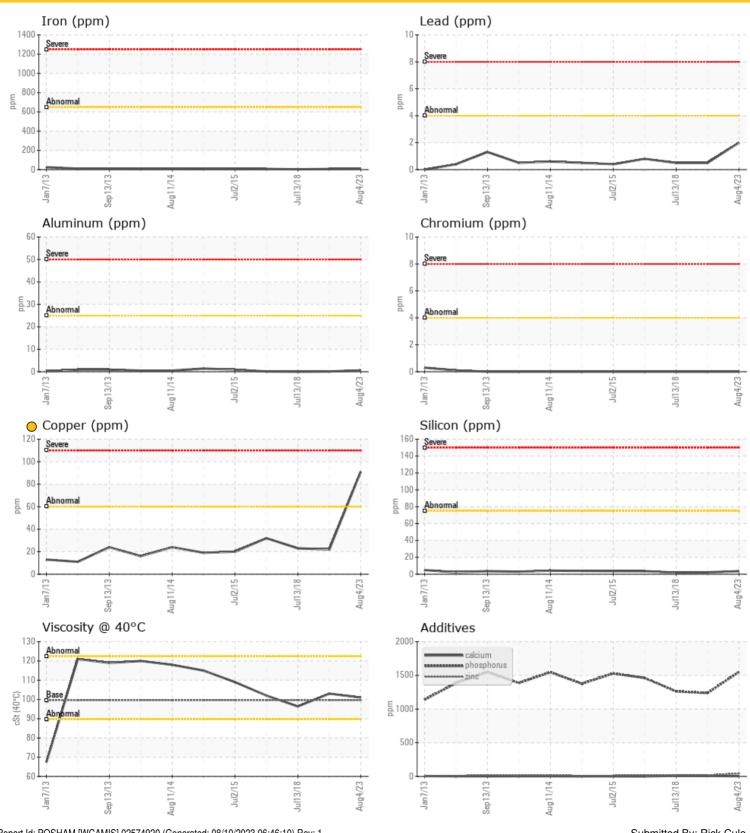
Barium

Boron





### **GRAPHS**



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Submitted By: Rick Cule