# LIEBHERR

# **CONSTRUCTION EQUIPMENT**



## [(360377)] LIEBHERR L580 059426-1464 - Front Differential

Sample No: LH0237647

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

5					
U SAN	<b>PLE INFO</b>	RMATION			
Sample Number		LH0237647	LH0242480	LH0239711	LH0230688
Sample Date		08 Sep 2023	17 Nov 2022	18 Aug 2022	31 May 2022
Machine Hours		5106	3593	2987	2443
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
<u> </u>					
OIL	ONDITIO	N			
Visc @ 40°C	cSt	159	O 149	173	O 115
44					3
CON	TAMINA'	TION			
Silicon	ppm	<b>3</b>	0 2	O 2	O 11
Sodium	ppm	<b>O</b> 2	0 2	01	O 4
Potassium	ppm	<b>()</b> <1	O <1	O <1	O 1
◎ WEA	R METAL	.S			
Iron	ppm	<b>42</b>	○ 33	<b>29</b>	O 213
Copper	ppm	<b>26</b>	O 12	<b>16</b>	O 117
Lead	ppm	<b>()</b> <1	O <1	O <1	<b>4</b>
Tin	ppm	<b>2</b>	O <1	O <1	O 7
Aluminum	ppm	<b></b> <1	O <1	0	O 1
Chromium	ppm	<b>○</b> <1	O 0	O 0	O 2
Molybdenum	ppm	<b>0</b>	0	0	O 0
Nickel	ppm	<b>()</b> <1	O <1	O <1	0 1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	<b>4</b>	<b>4</b>	<b>4</b>	32
Vanadium	ppm	0	0	0	0
ADD	ITIVES				
Calcium	ppm	<b>11</b>	O 51	O 7	O 11
Magnesium	ppm	<b>0</b> 1		<b></b> <1	O 2
Zinc	ppm	<b>15</b>	O 24	O 11	○ 31
Phosphorus	ppm	2090	2252	2231	2517
Barium	ppm	<b>()</b> <1	O 0	O 0	O 0
Boron	ppm	62	45	25	O 171



#### **CLOUTHIER VENTURES LTD.**

59 MATTHEWS STREET, R.R. # 5 PEMBROKE, ON

CA K8A 0A6

Contact: Travis Bennett tbennett@clouthierconst.com

T: (613)735-6531 F: (613)735-2769

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill.

Resample at the next service interval

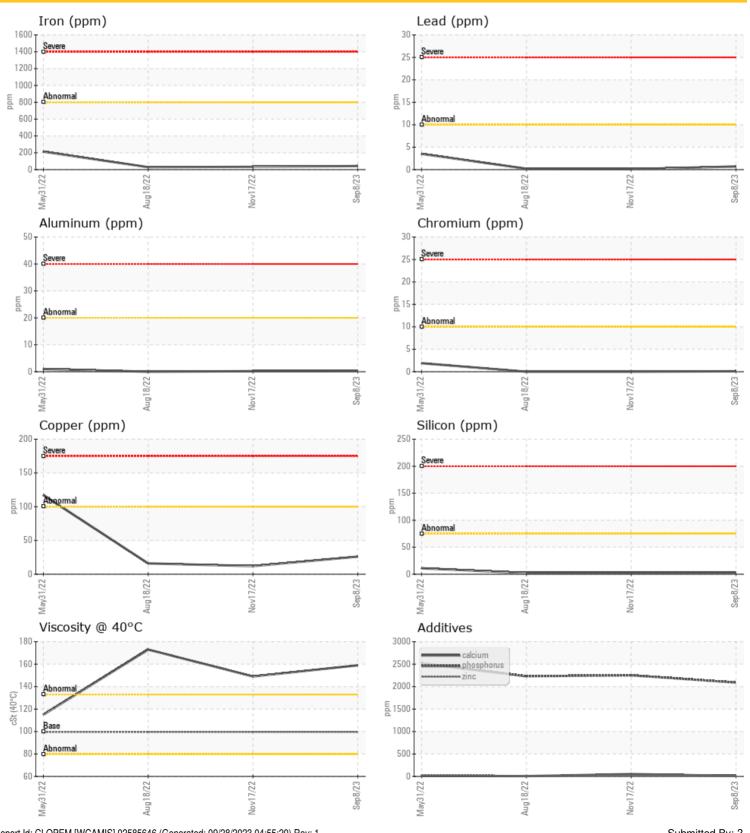
to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: CLOPEM
Unique No: 5646711
Signed: Wes Davis
Report Date: 28 Sep 2023





### **GRAPHS**



Report Id: CLOPEM [WCAMIS] 02585646 (Generated: 09/28/2023 04:55:20) Rev: 1

Submitted By: ?