# LIEBHERR

### **CONSTRUCTION EQUIPMENT**

### LIEBHERR L550 040916-1287 - Rear Differential

Sample No: LH0104290

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

U SAM	<b>PLE INFOR</b>	MATION			
			1110000010	1110000407	1110407000
Sample Number		LH0104290	LH0230912	LH0222187	LH0187026
Sample Date		29 Sep 2023	13 Dec 2022	26 Jan 2022	07 Dec 2020
Machine Hours		11118	10041	0	7079
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	N/A	Changed
Sample Status		NORMAL	ABNORMAL	NORMAL	NORMAL
OILC	ONDITION	ı			
Visc @ 40°C	cSt	189	O 187	O 97.4	98.1
VISC @ 40 C	COL	109	0 107	97.4	90.1
CON.	TAMINATI				
Silicon	ppm	<b>3</b>	O 24	O 10	<b>0</b> 7
Sodium	ppm	<b>3</b>	01	O <1	0 <1
Potassium	ppm	<b>0</b> 0	00	0 1	0 <1
	1-1-				
₩EA	R METALS				
WEA	K MEI ALS	)			
Iron	ppm	<b>60</b>	O 614	O 707	O 564
Copper	ppm	<b>1</b>	O 2	<b>1</b>	O 2
Lead	ppm	<b>0</b>	O 2	0	O 0
Tin	ppm	<b>0</b>	O 0	0	O 0
Aluminum	ppm	<1	02	O <1	O <1
Chromium	ppm	<b>○</b> <1	<u> </u>	<b>5</b>	02
Molybdenum	ppm	<b>8</b>	O 29	<b>1</b> 1	<b>6</b>
Nickel	ppm	<b>○</b> <1	O <1	O <1	O <1
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	<b>0</b> <1	O 5	<b>5</b>	<b>4</b>
Vanadium	ppm	0	0	0	0
ADD	ITIVES				
	IIIVES				
Calcium	ppm	<b>14</b>	0 8	<b>6</b>	O 9
Magnesium	ppm	<b>9</b>	O 1	O <1	0 2
Zinc	ppm	<b>18</b>	O 6	<b>6</b>	O 7
Phosphorus	ppm	2279	O 2382	3041	○ 2350
Barium	ppm	<b></b> <1	O 0	O 0	O
Boron	ppm	7	<u>25</u>	○ 259	O 299
			_	_	



#### RIDEAU BULK TERMINALS INC.

3141 ALBION ROAD SOUTH OTTAWA, ON CA K1V 8Y3 Contact: Marc Yelle

myelle@rideaubulk.com T: (613)223-3023

F:

#### 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:RIDOTTUnique No:5656295Signed:Wes DavisReport Date:05 Oct 2023

Report Id: RIDOTT [WCAMIS] 02587229 (Generated: 10/05/2023 16:37:24) Rev: 1

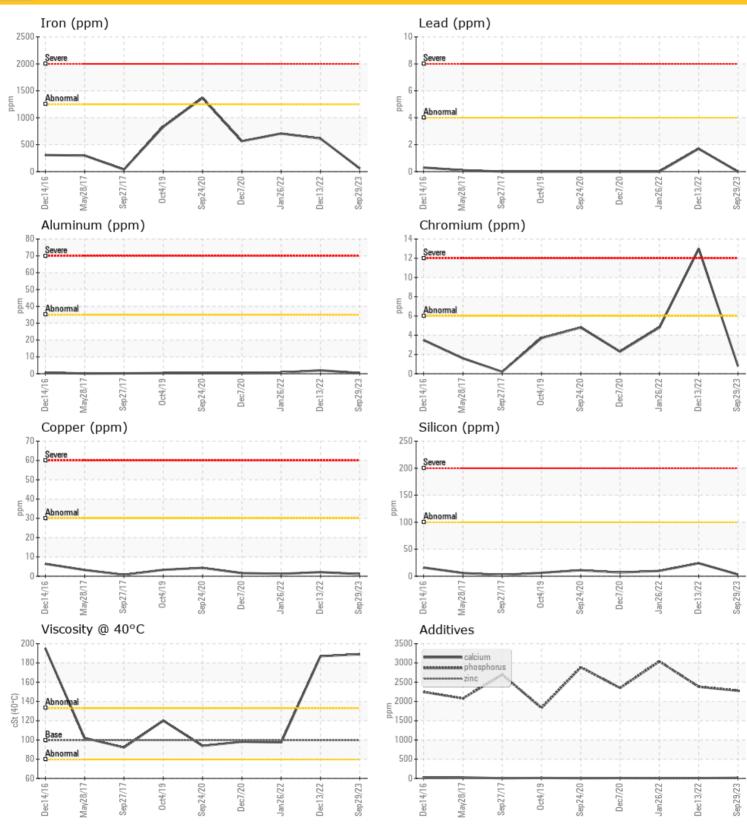
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#### **GRAPHS**



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Submitted By: Rick Cule