



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**LIEBHERR LH30M 144578-1253**

Component  
**Front Differential**

Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)**

### RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.  
Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0278613</b>	LH0250048	---
Sample Date		Client Info		<b>15 Jan 2024</b>	22 Mar 2023	---
Machine Age	hrs	Client Info		<b>1200</b>	498	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>190	<b>7</b>	6	---
Chromium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>70	<b>1</b>	1	---
Tin	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

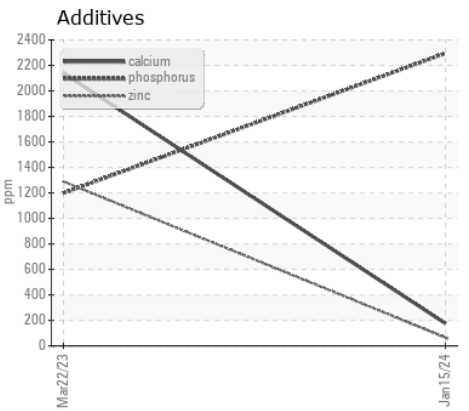
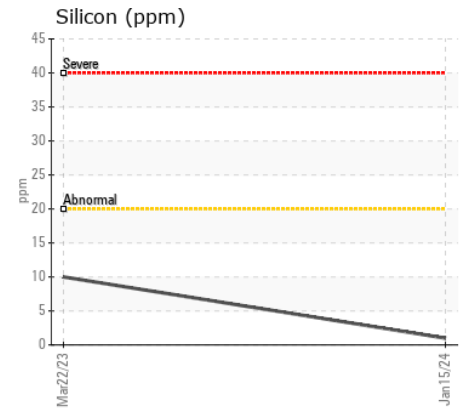
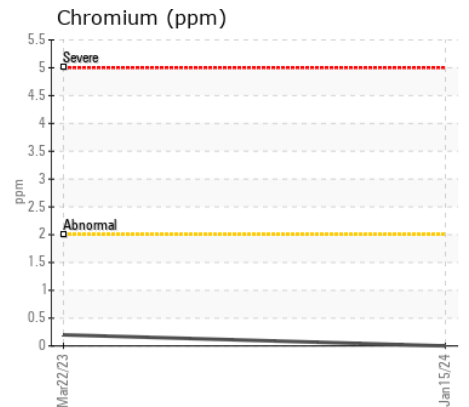
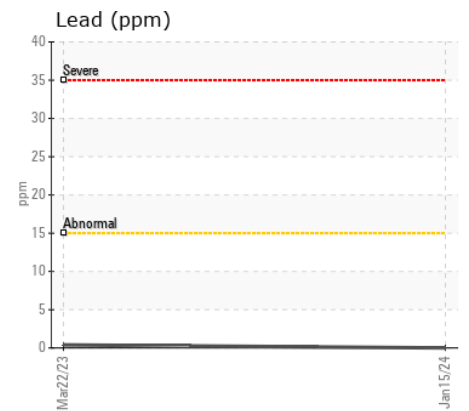
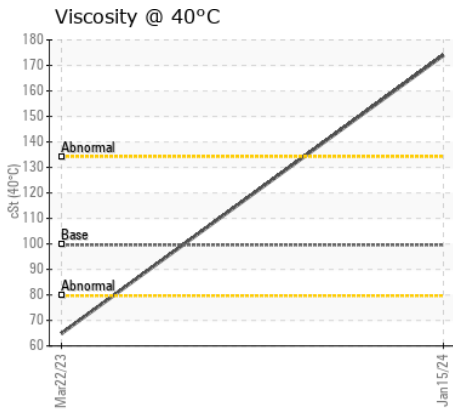
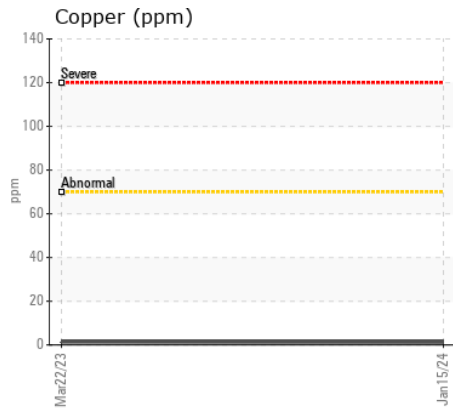
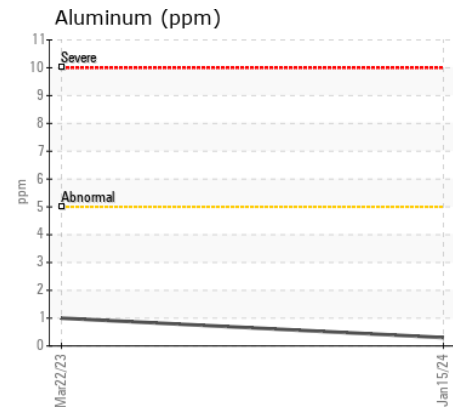
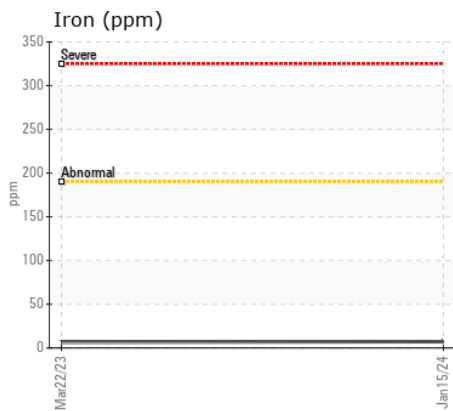
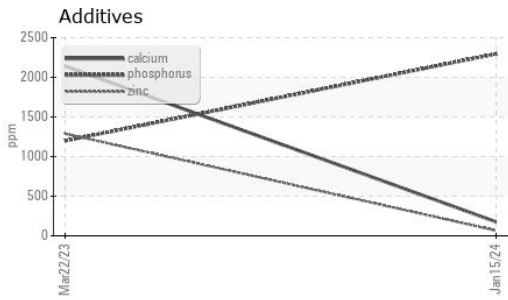
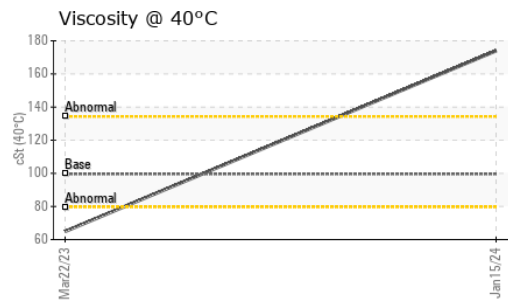
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	<b>1</b>	10	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	1	---
Water		WC Method	>.2	<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	17	---
Boron	ppm	ASTM D5185(m)	328	<b>4</b>	96	---
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	5	---
Magnesium	ppm	ASTM D5185(m)	1	<b>1</b>	11	---
Calcium	ppm	ASTM D5185(m)	7	<b>176</b>	2141	---
Phosphorus	ppm	ASTM D5185(m)	1145	<b>2295</b>	1198	---
Zinc	ppm	ASTM D5185(m)	3	<b>66</b>	1289	---
Sulfur	ppm	ASTM D5185(m)	17909	<b>24641</b>	2942	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	<b>174</b>	64.9	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0278613 **Received** : 16 Jan 2024  
**Lab Number** : 02609042 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 5710128 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**Industrial Metals**  
 550 Messier St.  
 Winnipeg, MB  
 CA R2J 0G5  
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

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F: