



# LIEBHERR

## OIL ANALYSIS REPORT

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



Area

**(344443)**

Machine Id

**LIEBHERR LH24 118108-1251**

Component

**Front Differential**

Fluid

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

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0250461</b>	LH0218500	LH0206363
Sample Date		Client Info		<b>04 Apr 2024</b>	11 Feb 2022	09 Aug 2021
Machine Age	hrs	Client Info		<b>7662</b>	2142	983
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>190	<b>4</b>	20	7
Chromium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>70	<b>&lt;1</b>	2	<1
Tin	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

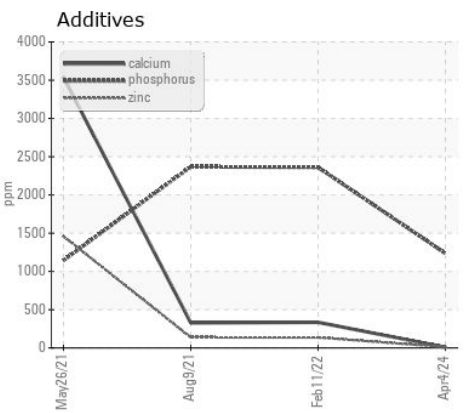
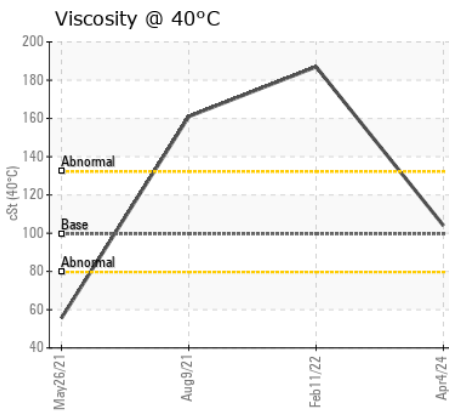
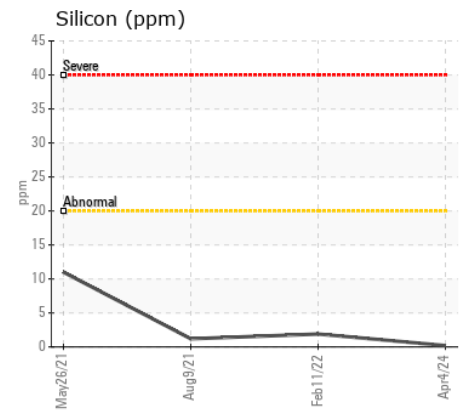
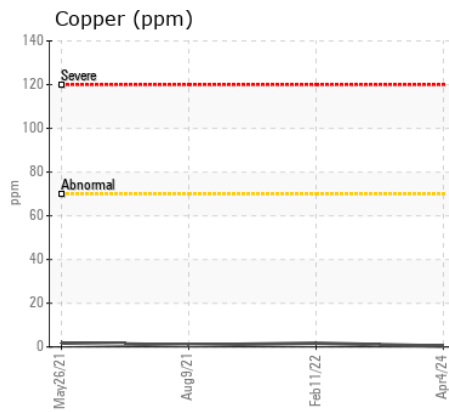
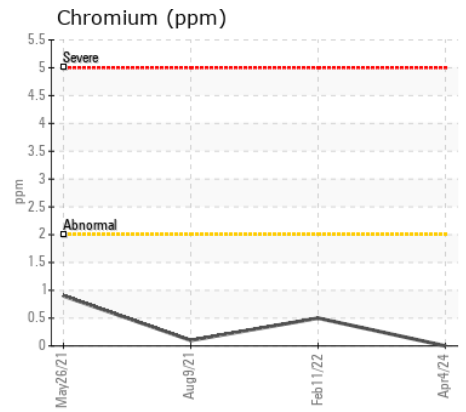
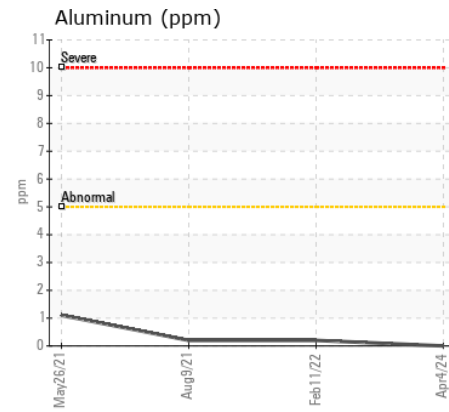
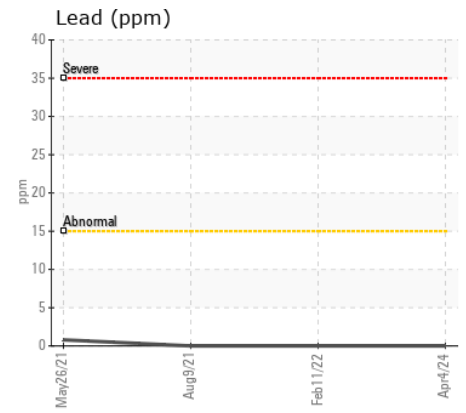
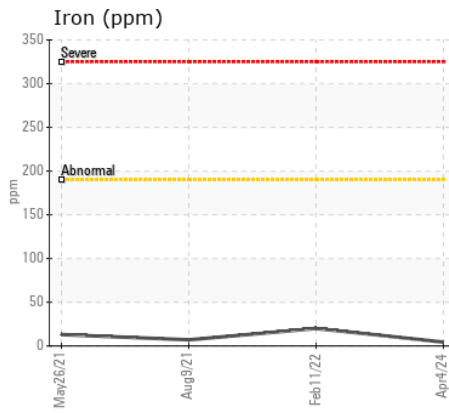
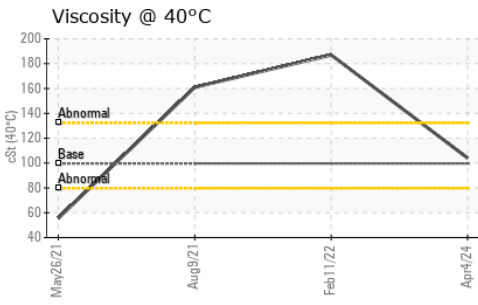
There is no indication of any contamination in the oil.

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

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	4	3
Boron	ppm	ASTM D5185(m)	328	<b>304</b>	10	11
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	2	1
Magnesium	ppm	ASTM D5185(m)	1	<b>1</b>	2	1
Calcium	ppm	ASTM D5185(m)	7	<b>9</b>	335	328
Phosphorus	ppm	ASTM D5185(m)	1145	<b>1236</b>	2361	2368
Zinc	ppm	ASTM D5185(m)	3	<b>11</b>	137	138
Sulfur	ppm	ASTM D5185(m)	17909	<b>20165</b>	30190	31008
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	<b>104</b>	▲ 187	161



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0250461 **Received** : 23 Apr 2024  
**Lab Number** : 02631009 **Tested** : 23 Apr 2024  
**Unique Number** : 5772162 **Diagnosed** : 23 Apr 2024 - Wes Davis  
**Test Package** : MOB 1

**ABC RECYCLING**  
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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.