



# 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 Left Wheel Hub**

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>LH0250462</b>	LH0260605	LH0250354
Sample Date		Client Info		<b>04 Apr 2024</b>	21 Sep 2023	04 Apr 2023
Machine Age	hrs	Client Info		<b>7662</b>	6390	5211
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	Changed
Filter Changed		Client Info		<b>None</b>	None	None
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>450	<b>42</b>	98	11
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
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>	<1	0
Aluminum	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>75	<b>3</b>	5	1
Tin	ppm	ASTM D5185(m)		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE

### CONTAMINATION

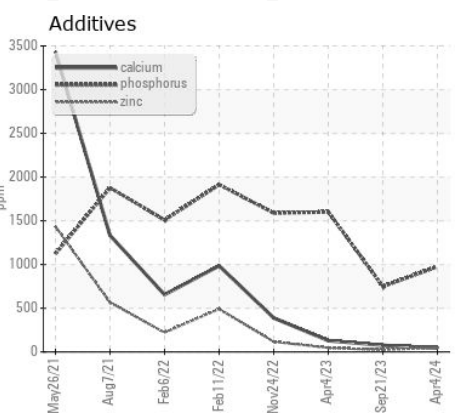
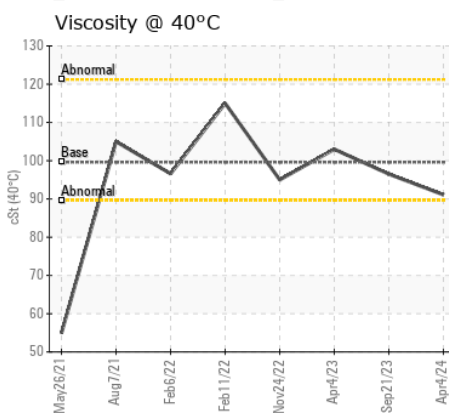
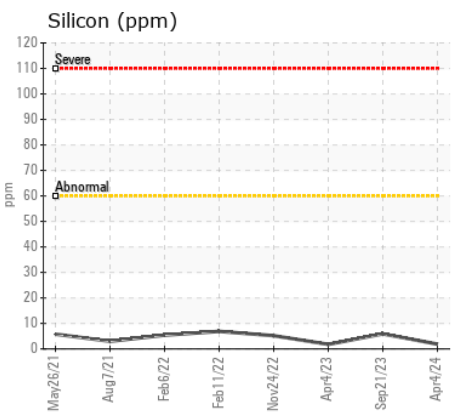
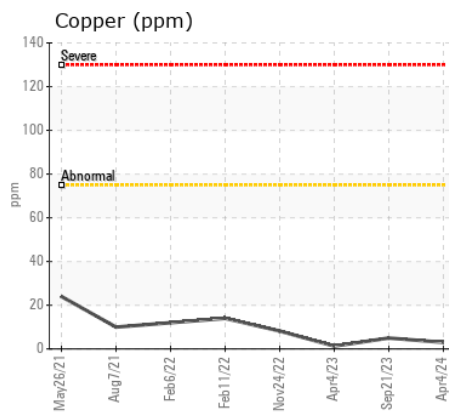
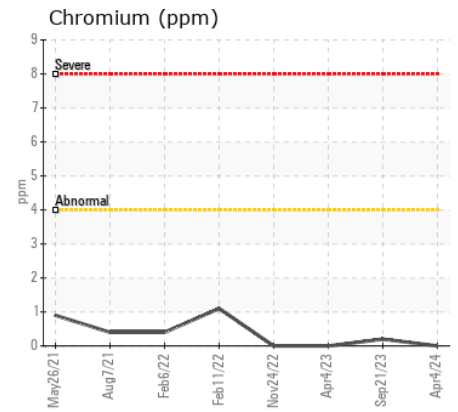
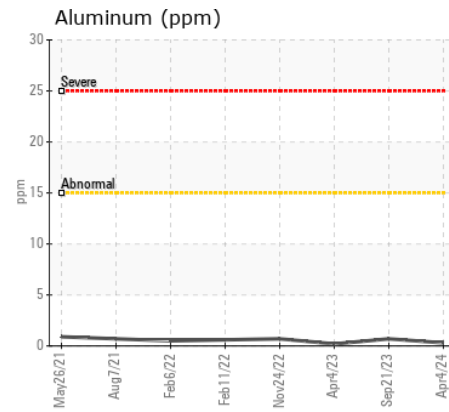
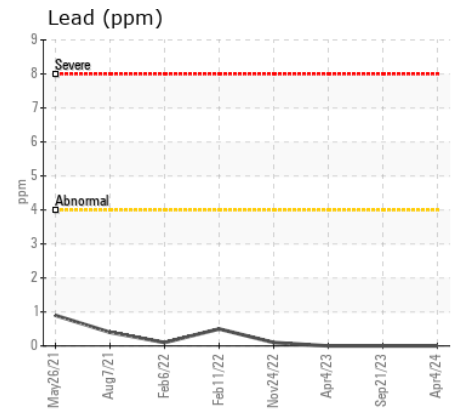
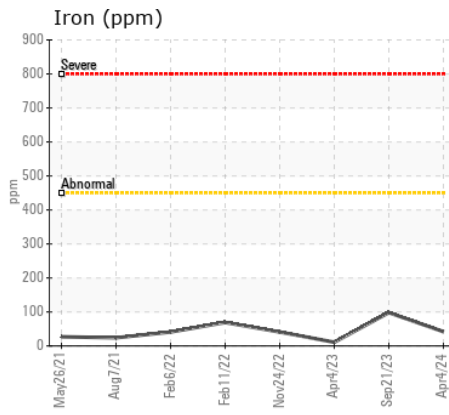
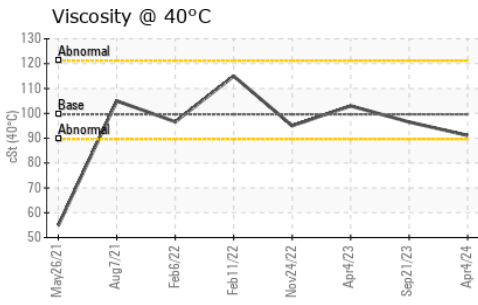
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>60	<b>2</b>	6	2
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>LIGHT</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</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*	>0.2	<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>2</b>	4	2
Boron	ppm	ASTM D5185(m)	328	<b>177</b>	37	169
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	1	<b>2</b>	1	<1
Calcium	ppm	ASTM D5185(m)	7	<b>45</b>	76	129
Phosphorus	ppm	ASTM D5185(m)	1145	<b>976</b>	750	1601
Zinc	ppm	ASTM D5185(m)	3	<b>49</b>	25	47
Sulfur	ppm	ASTM D5185(m)	17909	<b>18625</b>	20025	25613
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	<b>91.1</b>	96.5	103



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0250462 **Received** : 23 Apr 2024  
**Lab Number** : 02631008 **Tested** : 23 Apr 2024  
**Unique Number** : 5772161 **Diagnosed** : 23 Apr 2024 - Wes Davis  
**Test Package** : MOB 1

**ABC RECYCLING**  
 8081 MEADOW AVE.  
 BURNABY, BC  
 CA V3N 2V9  
 Contact: John Anderson  
 john.anderson@abcrcycling.com  
 T: (778)988-9944  
 F:

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.