



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR L580 071613-1760**

Component  
**Splitter Box**

Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (2 LTR)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0292407</b>	LH0284820	LH0277095
Sample Date		Client Info		<b>22 Jun 2024</b>	12 Feb 2024	14 Oct 2023
Machine Age	hrs	Client Info		<b>2202</b>	1640	1054
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>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>13</b>	15	69
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

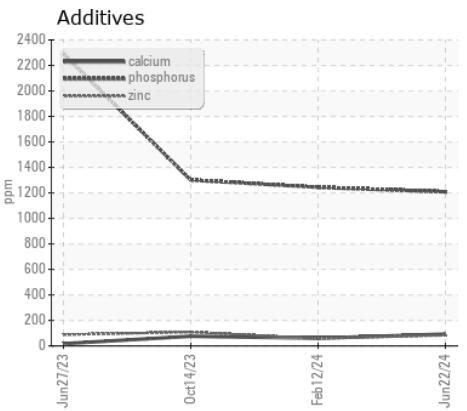
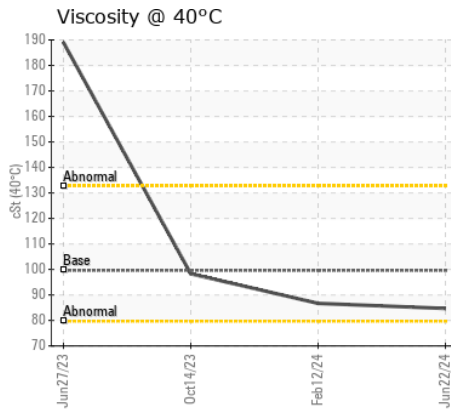
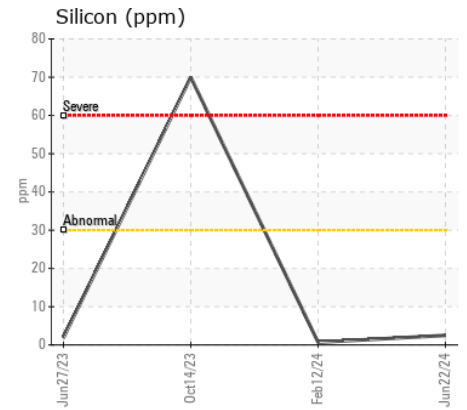
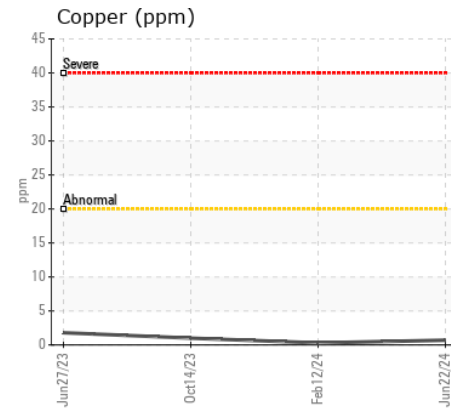
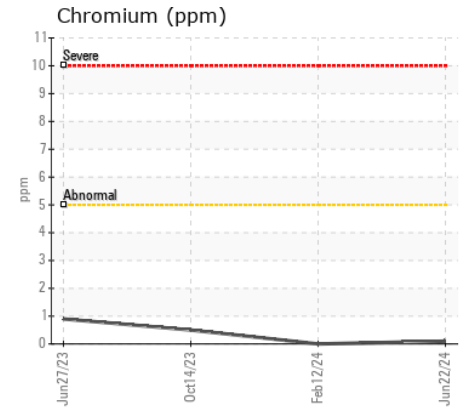
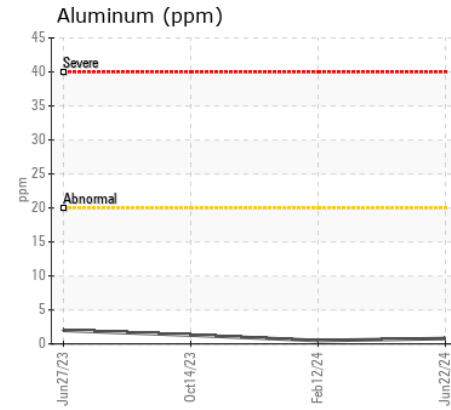
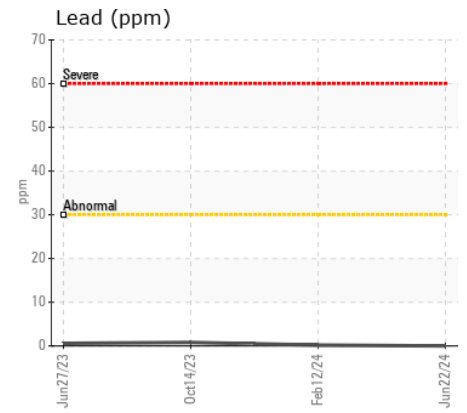
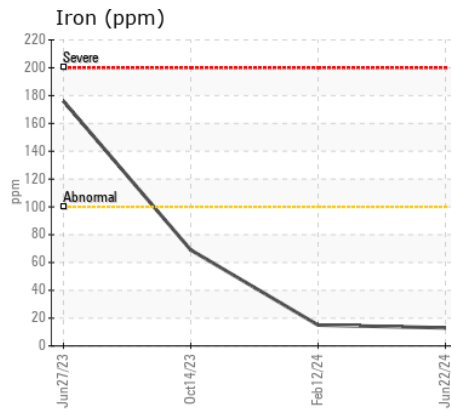
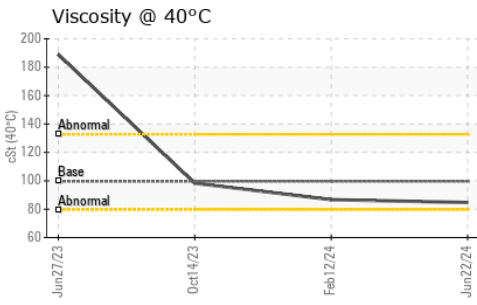
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	<b>2</b>	<1	▲ 70
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
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*	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	3
Boron	ppm	ASTM D5185(m)	328	<b>290</b>	295	242
Barium	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	0	2
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	4
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	2
Magnesium	ppm	ASTM D5185(m)	1	<b>5</b>	5	70
Calcium	ppm	ASTM D5185(m)	7	<b>93</b>	61	76
Phosphorus	ppm	ASTM D5185(m)	1145	<b>1209</b>	1244	1301
Zinc	ppm	ASTM D5185(m)	3	<b>83</b>	58	109
Sulfur	ppm	ASTM D5185(m)	17909	<b>18826</b>	19802	18842
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	<b>84.7</b>	86.7	98.3



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0292407  
**Lab Number** : 02644659  
**Unique Number** : 5802198  
**Test Package** : MOB 1  
**Received** : 28 Jun 2024  
**Tested** : 02 Jul 2024  
**Diagnosed** : 02 Jul 2024 - Wes Davis

**BIRCH HILL CONSTRUCTION**  
 11 MCELROY ST.  
 MONCTON, NB  
 CA E1C 9T2  
 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: