



# 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>LH0284820</b>	LH0277095	LH0260260
Sample Date		Client Info		<b>12 Feb 2024</b>	14 Oct 2023	27 Jun 2023
Machine Age	hrs	Client Info		<b>1640</b>	1054	530
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>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>15</b>	69	176
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	1	2
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)	>20	<b>&lt;1</b>	1	2
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	2
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	VLITE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

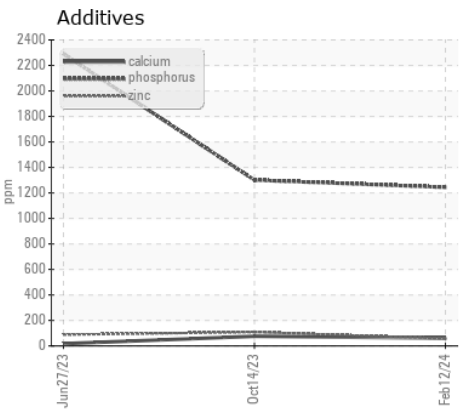
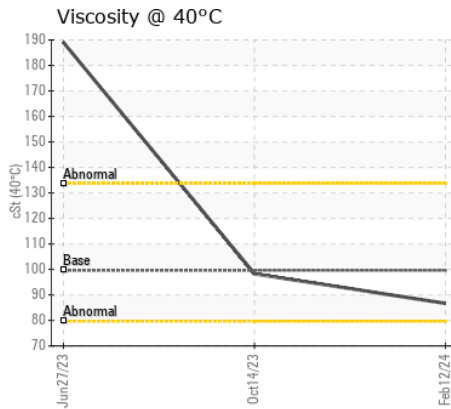
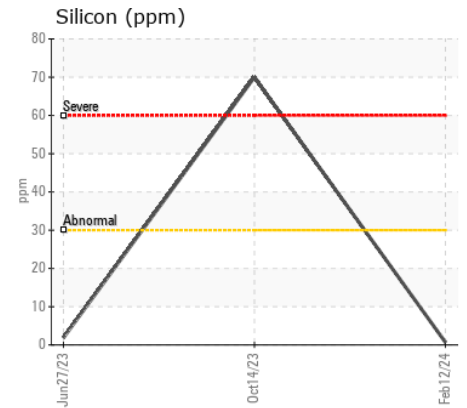
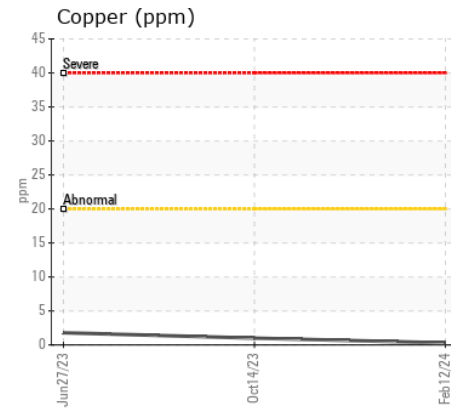
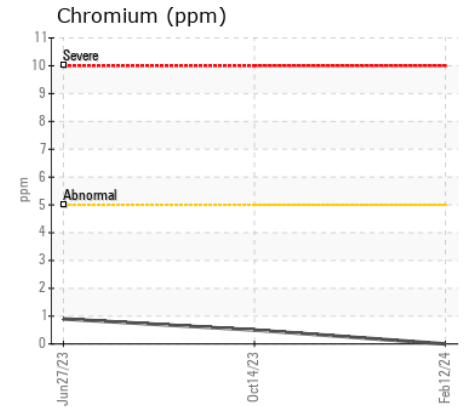
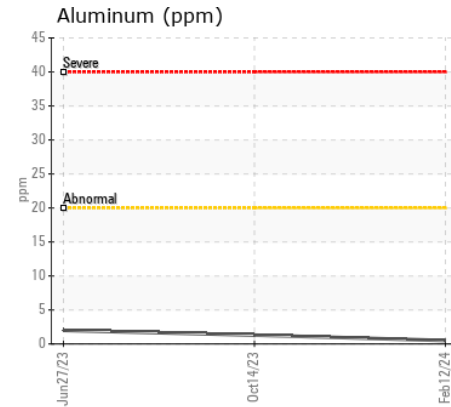
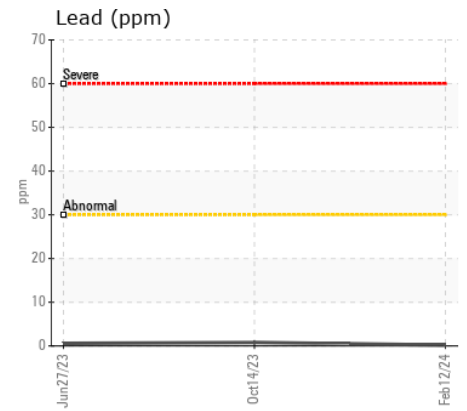
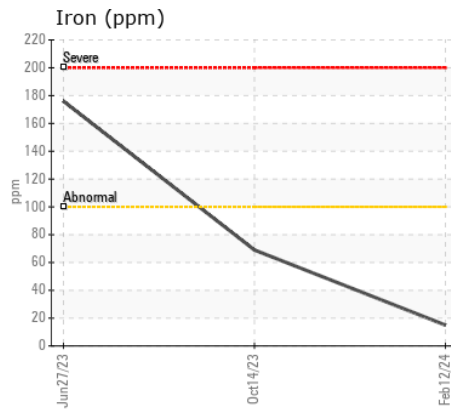
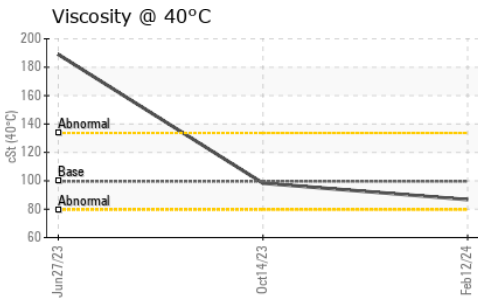
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	▲ 70	2
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	VLITE	VLITE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	LIGHT
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>	3	8
Boron	ppm	ASTM D5185(m)	328	<b>295</b>	242	6
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	2	10
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	4	<1
Manganese	ppm	ASTM D5185(m)		<b>0</b>	2	18
Magnesium	ppm	ASTM D5185(m)	1	<b>5</b>	70	13
Calcium	ppm	ASTM D5185(m)	7	<b>61</b>	76	18
Phosphorus	ppm	ASTM D5185(m)	1145	<b>1244</b>	1301	2291
Zinc	ppm	ASTM D5185(m)	3	<b>58</b>	109	88
Sulfur	ppm	ASTM D5185(m)	17909	<b>19802</b>	18842	25035
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	<b>86.7</b>	98.3	189



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0284820 **Received** : 22 Feb 2024  
**Lab Number** : 02617495 **Tested** : 22 Feb 2024  
**Unique Number** : 5734605 **Diagnosed** : 22 Feb 2024 - Wes Davis  
**Test Package** : MOB 1

**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.

T:  
F: