



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR A934C 063551**  
Component  
**Rear Right Planetary**  
Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (5 LTR)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0286417</b>	LH0284069	LH0246842
Sample Date		Client Info		<b>14 Jun 2024</b>	18 Mar 2024	15 Nov 2023
Machine Age	hrs	Client Info		<b>19528</b>	19058	18492
Oil Age	hrs	Client Info		<b>470</b>	566	703
Filter Age	hrs	Client Info		<b>470</b>	566	703
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	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>300	<b>18</b>	44	33
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>7	<b>0</b>	0	<1
Lead	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)	>90	<b>25</b>	31	25
Tin	ppm	ASTM D5185(m)	>3	<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>VLITE</b>	NONE	NONE

### CONTAMINATION

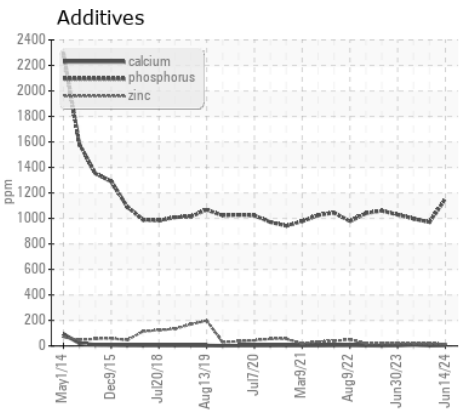
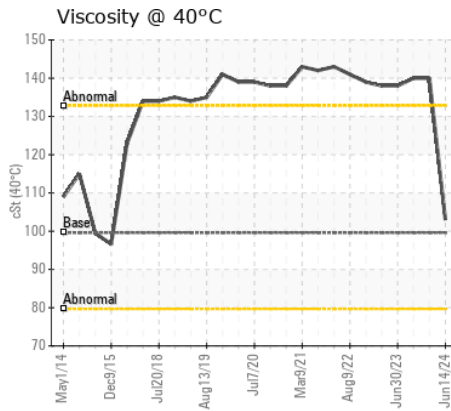
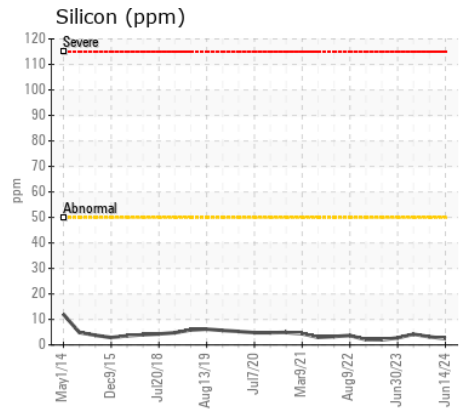
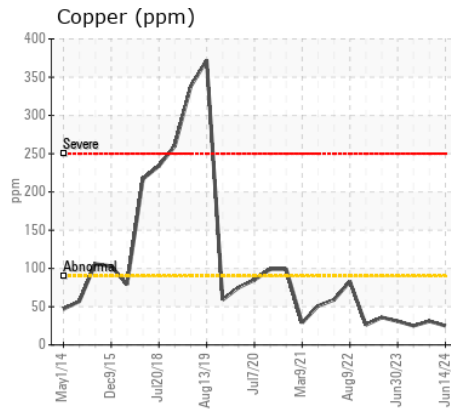
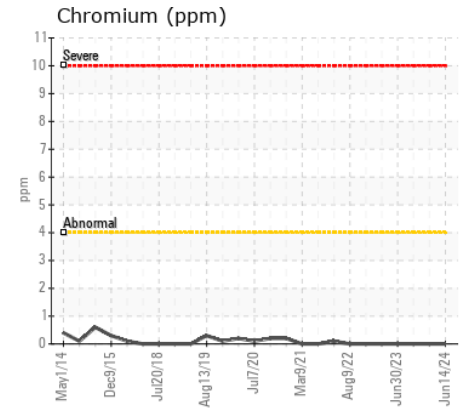
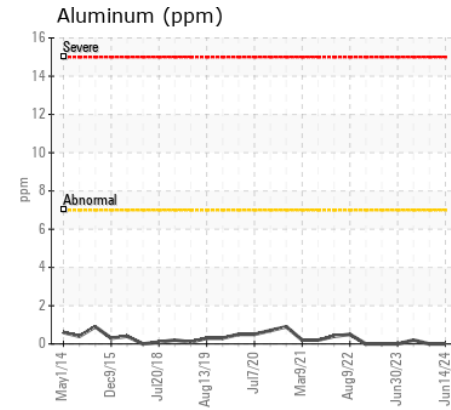
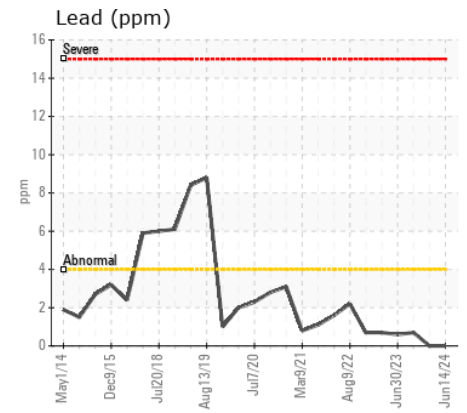
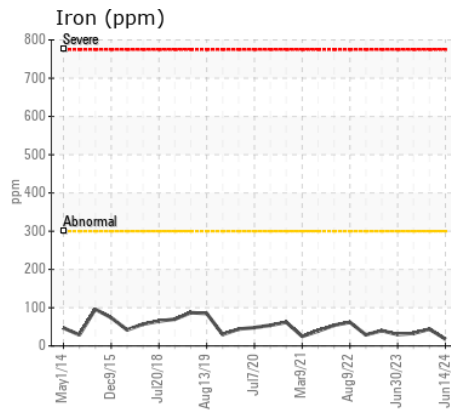
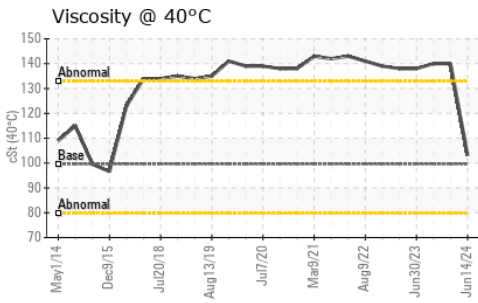
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	<b>2</b>	3	4
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	0
Water		WC Method	>0.2	<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>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>&lt;1</b>	<1	<1
Boron	ppm	ASTM D5185(m)	328	<b>292</b>	270	254
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185(m)	1	<b>2</b>	1	1
Calcium	ppm	ASTM D5185(m)	7	<b>5</b>	3	11
Phosphorus	ppm	ASTM D5185(m)	1145	<b>1154</b>	971	998
Zinc	ppm	ASTM D5185(m)	3	<b>15</b>	19	19
Sulfur	ppm	ASTM D5185(m)	17909	<b>20099</b>	17485	17184
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	<b>103</b>	140	140



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

**Sample No.** : LH0286417

**Lab Number** : 02643447

**Unique Number** : 5800986

**Test Package** : MOB 1

**Received** : 21 Jun 2024

**Tested** : 21 Jun 2024

**Diagnosed** : 21 Jun 2024 - Wes Davis

**ABC RECYCLING**

750C JACKSON RD

NANAIMO, BC

CA V9X 1J2

Contact: Jordie Richmond

jordie.richmond@abcrcycling.com

T: (250)202-8235

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.