



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR PR776 26710**  
Component  
**Left Final Drive**  
Fluid  
**PETRO CANADA TRAXON 75W90 SYNTHETIC (36 LTR)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0265130</b>	LH0151022	LH0151023
Sample Date		Client Info		<b>10 Jun 2024</b>	07 Nov 2023	05 Nov 2023
Machine Age	hrs	Client Info		<b>5154</b>	1049	1049
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>	Not Changd	Not Changd
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)	>500	<b>154</b>	58	72
Chromium	ppm	ASTM D5185(m)	>10	<b>2</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>50	<b>2</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

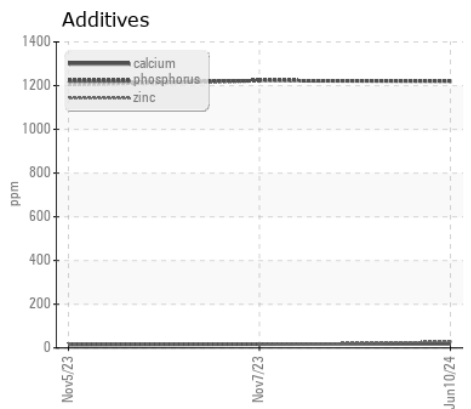
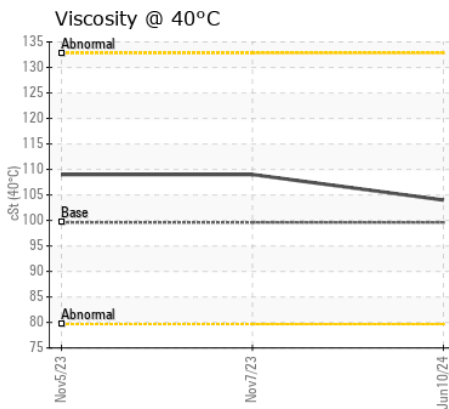
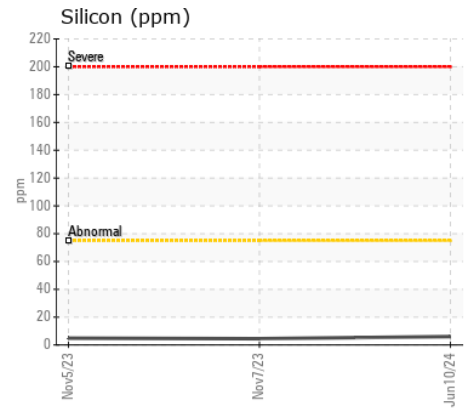
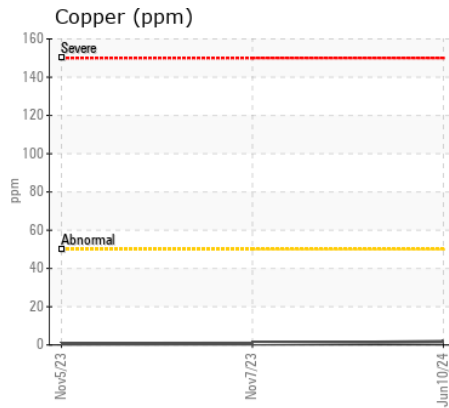
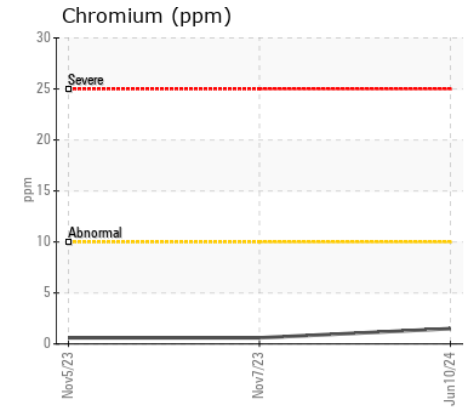
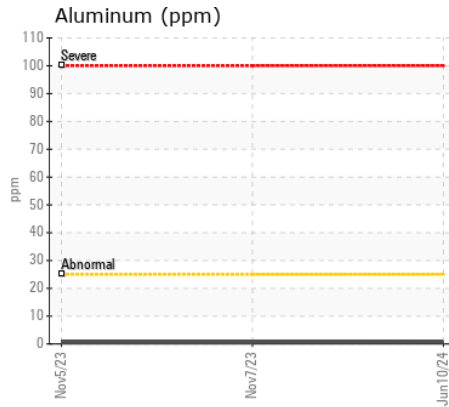
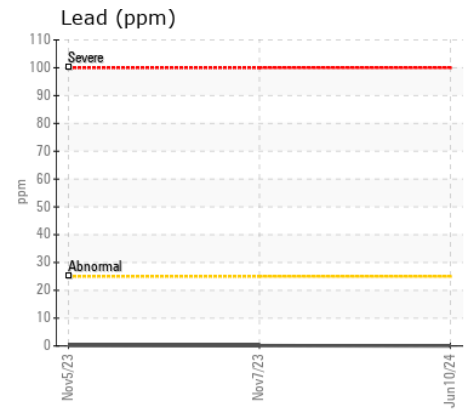
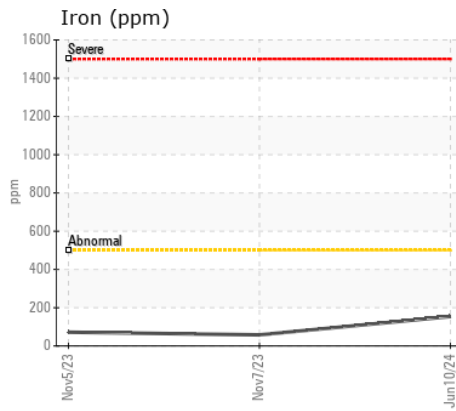
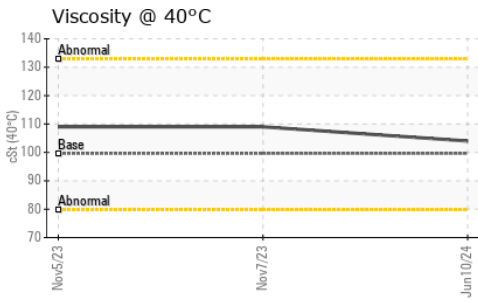
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	<b>6</b>	4	5
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	<1	<1
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>2</b>	2	2
Boron	ppm	ASTM D5185(m)	328	<b>112</b>	140	141
Barium	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	<1	2
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185(m)		<b>2</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	1	<b>1</b>	1	<1
Calcium	ppm	ASTM D5185(m)	7	<b>18</b>	17	15
Phosphorus	ppm	ASTM D5185(m)	1145	<b>1220</b>	1223	1206
Zinc	ppm	ASTM D5185(m)	3	<b>28</b>	15	15
Sulfur	ppm	ASTM D5185(m)	17909	<b>25400</b>	24807	24869
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	<b>104</b>	109	109



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0265130 **Received** : 17 Jun 2024  
**Lab Number** : 02642383 **Tested** : 18 Jun 2024  
**Unique Number** : 5799922 **Diagnosed** : 18 Jun 2024 - Wes Davis  
**Test Package** : MOB 1

**ARGONAUT GOLD**  
 DUBREUILVILLE MINE  
 DUBREUILVILLE, ON  
 CA  
 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: