



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR R926 048474-1565**

Component  
**Right Final Drive**

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>LH0281114</b>	LH0226780	LH0214995
Sample Date		Client Info		<b>05 Jan 2024</b>	18 May 2022	03 Nov 2021
Machine Age	hrs	Client Info		<b>1956</b>	2674	456
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	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	<b>52</b>	66	86
Chromium	ppm	ASTM D5185(m)	>10	<b>3</b>	3	4
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185(m)	>50	<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	VLITE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

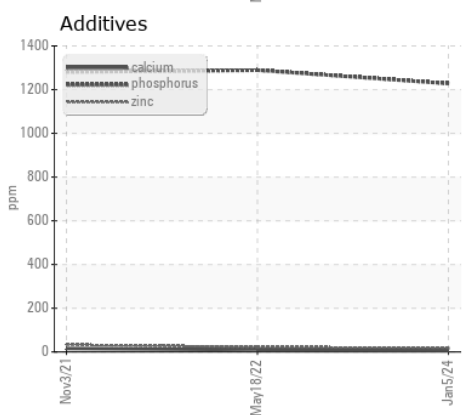
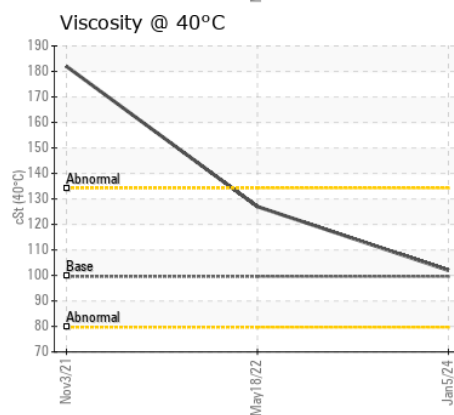
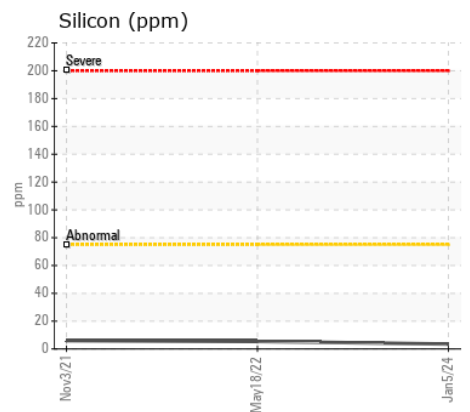
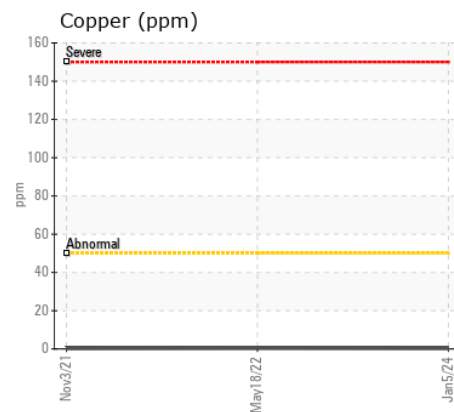
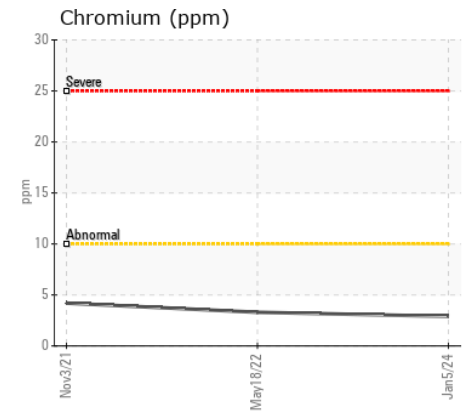
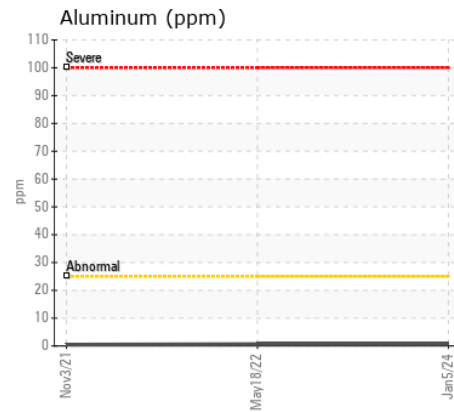
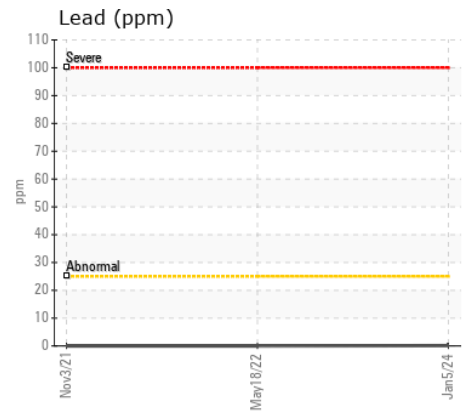
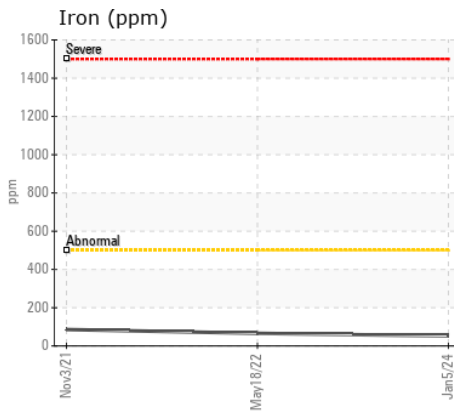
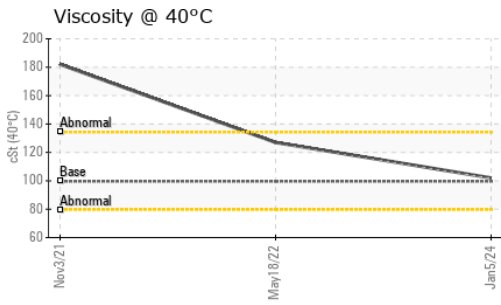
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	<b>4</b>	5	6
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	12	4
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	4
Boron	ppm	ASTM D5185(m)	328	<b>250</b>	169	21
Barium	ppm	ASTM D5185(m)	1	<b>2</b>	6	11
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	3
Magnesium	ppm	ASTM D5185(m)	1	<b>2</b>	<1	1
Calcium	ppm	ASTM D5185(m)	7	<b>7</b>	11	16
Phosphorus	ppm	ASTM D5185(m)	1145	<b>1228</b>	1289	1281
Zinc	ppm	ASTM D5185(m)	3	<b>18</b>	22	33
Sulfur	ppm	ASTM D5185(m)	17909	<b>21143</b>	22048	23227
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	<b>102</b>	127	182



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0281114 **Received** : 10 Jan 2024  
**Lab Number** : 02607938 **Diagnosed** : 10 Jan 2024  
**Unique Number** : 5709024 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**VICTORIA STONESCAPES**  
 1870 KEATING CROSS ROAD  
 SAANICHTON, BC  
 CA V8M 1W9  
 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: