



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR LH22 157673-1525

Component
Left Wheel Hub

Fluid
PETRO CANADA TRAXON 75W90 SYNTHETIC (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0288070	---	---
Sample Date		Client Info		02 May 2024	---	---
Machine Age	hrs	Client Info		515	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>450	62	---	---
Chromium	ppm	ASTM D5185(m)	>4	1	---	---
Nickel	ppm	ASTM D5185(m)	>2	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>15	<1	---	---
Lead	ppm	ASTM D5185(m)	>4	0	---	---
Copper	ppm	ASTM D5185(m)	>75	<1	---	---
Tin	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	VLITE	---	---

CONTAMINATION

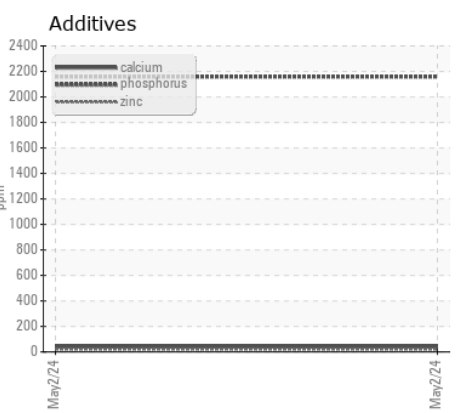
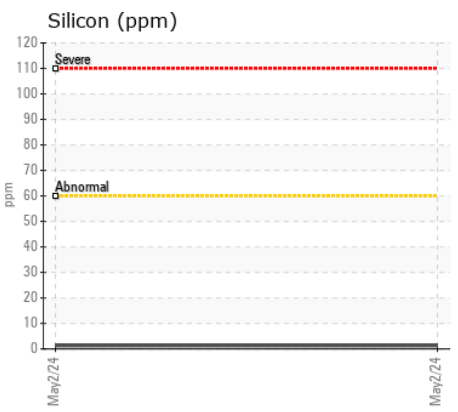
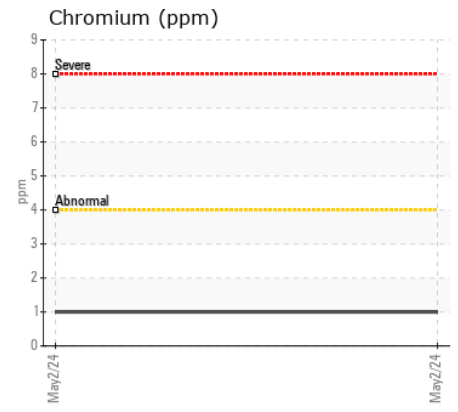
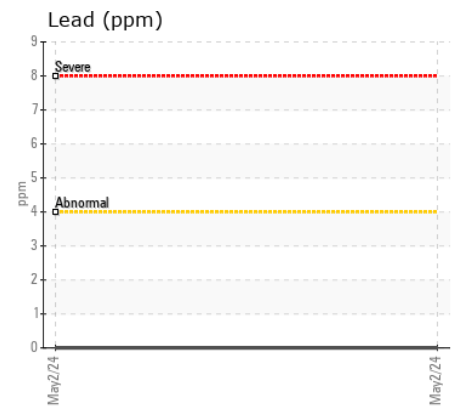
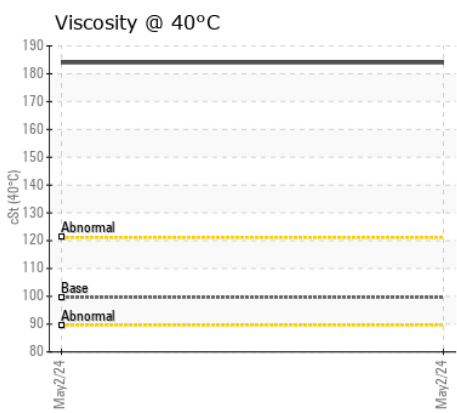
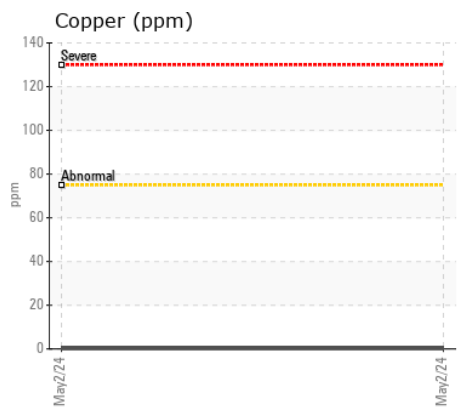
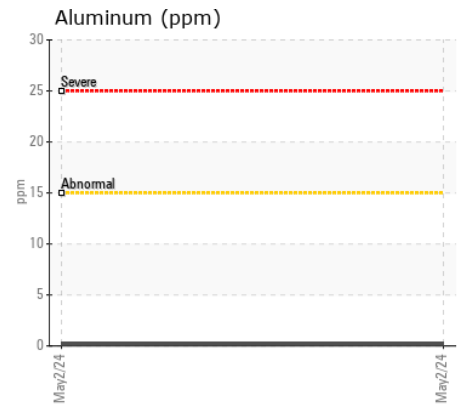
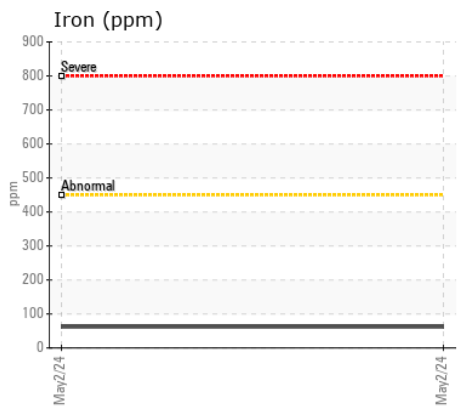
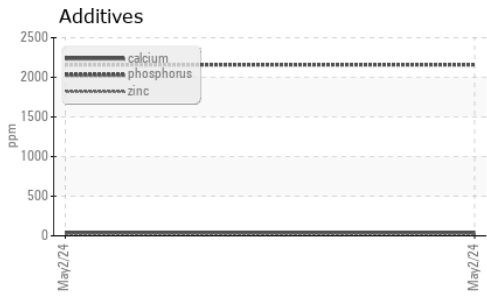
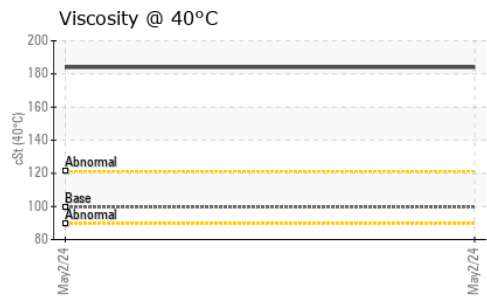
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>60	1	---	---
Potassium	ppm	ASTM D5185(m)	>20	3	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		4	---	---
Boron	ppm	ASTM D5185(m)	328	2	---	---
Barium	ppm	ASTM D5185(m)	1	10	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		1	---	---
Magnesium	ppm	ASTM D5185(m)	1	2	---	---
Calcium	ppm	ASTM D5185(m)	7	41	---	---
Phosphorus	ppm	ASTM D5185(m)	1145	2159	---	---
Zinc	ppm	ASTM D5185(m)	3	21	---	---
Sulfur	ppm	ASTM D5185(m)	17909	24624	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	184	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0288070 **Received** : 10 May 2024
Lab Number : 02634693 **Tested** : 10 May 2024
Unique Number : 5775846 **Diagnosed** : 10 May 2024 - Wes Davis
Test Package : MOB 1

ECOWASTE INDUSTRIES LTD.
 15111 WILLIAMS ROAD
 RICHMOND, BC
 CA V6W 1G9
 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: