



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

(371127)

Machine Id

137622-1216

Component

Front Differential

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0288388	LH0250744	---
Sample Date		Client Info		07 Jun 2024	09 Mar 2023	---
Machine Age	hrs	Client Info		4549	2000	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>190	22	3	---
Chromium	ppm	ASTM D5185(m)	>2	0	0	---
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		<1	0	---
Aluminum	ppm	ASTM D5185(m)	>5	<1	<1	---
Lead	ppm	ASTM D5185(m)	>15	0	<1	---
Copper	ppm	ASTM D5185(m)	>70	9	13	---
Tin	ppm	ASTM D5185(m)	>2	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	VLITE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

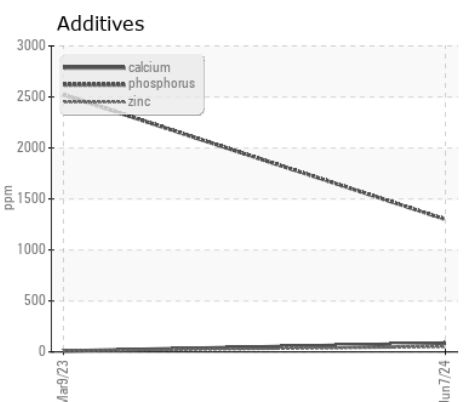
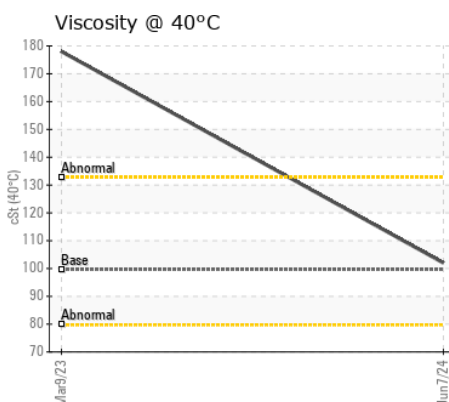
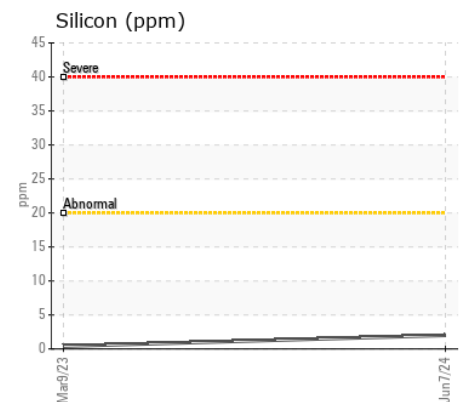
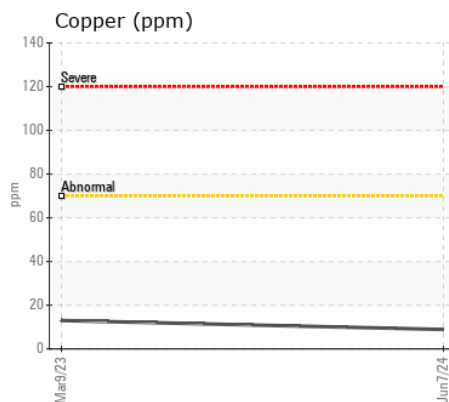
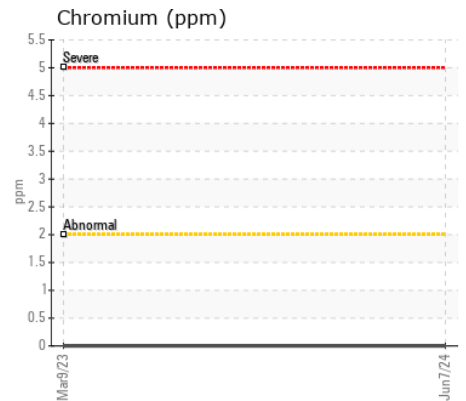
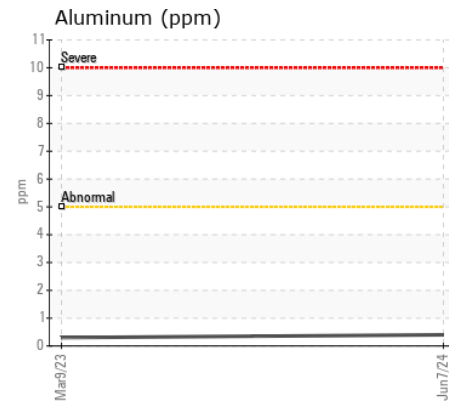
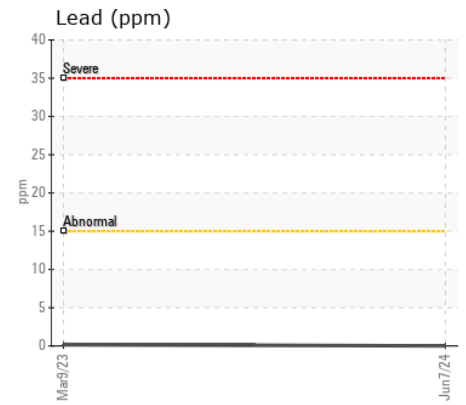
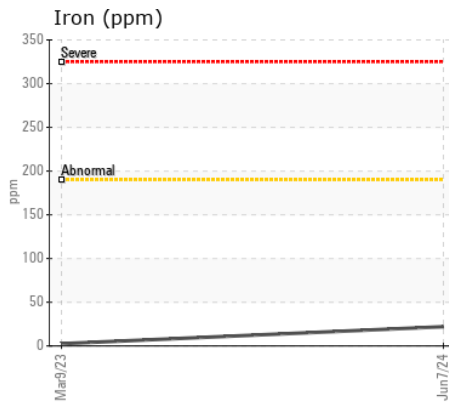
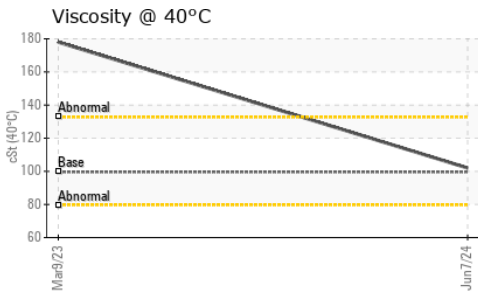
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	2	<1	---
Potassium	ppm	ASTM D5185(m)	>20	<1	0	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	LIGHT	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		2	1	---
Boron	ppm	ASTM D5185(m)	328	108	<1	---
Barium	ppm	ASTM D5185(m)	1	<1	<1	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		<1	0	---
Magnesium	ppm	ASTM D5185(m)	1	1	<1	---
Calcium	ppm	ASTM D5185(m)	7	87	9	---
Phosphorus	ppm	ASTM D5185(m)	1145	1299	2523	---
Zinc	ppm	ASTM D5185(m)	3	49	9	---
Sulfur	ppm	ASTM D5185(m)	17909	21852	34705	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	102	178	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0288388 **Received** : 28 Jun 2024
Lab Number : 02644690 **Tested** : 28 Jun 2024
Unique Number : 5802229 **Diagnosed** : 28 Jun 2024 - Wes Davis
Test Package : MOB 1

American Iron and Metal
 100 INDUSTRIAL ROAD
 NORTH BAY, ON
 CA P1B 8K3
 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: