



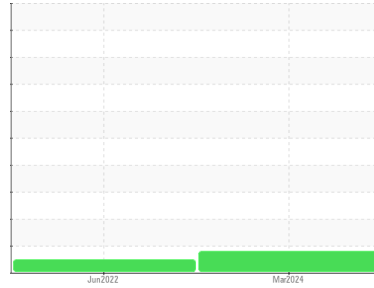
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area
N.E.R./Off-Road
 Machine Id
L821
 Component
Front Differential
 Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)



DIAGNOSIS

▲ Recommendation
 No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear
 Bearing and/or bushing wear is indicated.

Contamination
 There is no indication of any contamination in the oil.

Fluid Condition
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0110064	PCA0072317	---
Sample Date	Client Info		12 Mar 2024	13 Jun 2022	---
Machine Age	hrs	Client Info	17186	15106	---
Oil Age	hrs	Client Info	17186	15106	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ABNORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	215	203	---
Chromium	ppm	ASTM D5185m >3	<1	1	---
Nickel	ppm	ASTM D5185m >3	6	4	---
Titanium	ppm	ASTM D5185m >2	<1	<1	---
Silver	ppm	ASTM D5185m >2	0	<1	---
Aluminum	ppm	ASTM D5185m >30	7	7	---
Lead	ppm	ASTM D5185m >13	<1	<1	---
Copper	ppm	ASTM D5185m >103	▲ 122	75	---
Tin	ppm	ASTM D5185m >5	3	2	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	<1	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 243	9	2	---
Barium	ppm	ASTM D5185m 1	0	0	---
Molybdenum	ppm	ASTM D5185m	5	4	---
Manganese	ppm	ASTM D5185m	2	2	---
Magnesium	ppm	ASTM D5185m 2	48	50	---
Calcium	ppm	ASTM D5185m 6	3160	2996	---
Phosphorus	ppm	ASTM D5185m 987	1142	1013	---
Zinc	ppm	ASTM D5185m 1	1313	1207	---
Sulfur	ppm	ASTM D5185m 21530	11658	9658	---

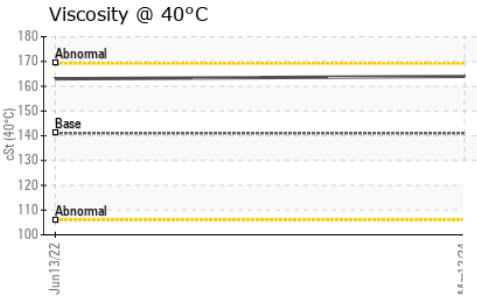
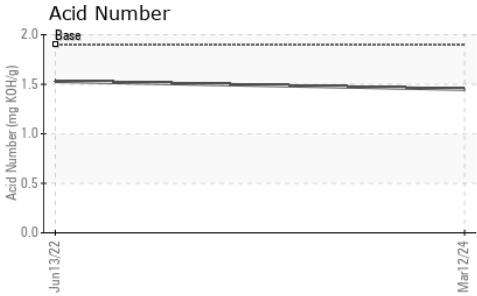
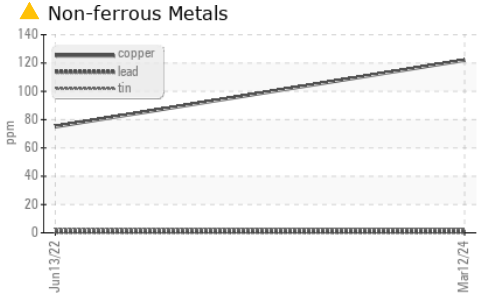
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >100	10	10	---
Sodium	ppm	ASTM D5185m	0	2	---
Potassium	ppm	ASTM D5185m >20	2	0	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.9	1.45	1.53	---

OIL ANALYSIS REPORT



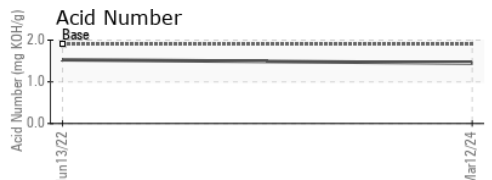
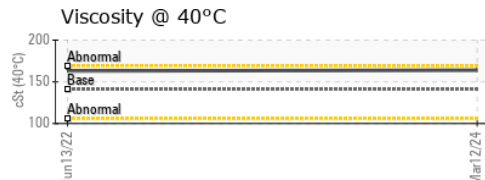
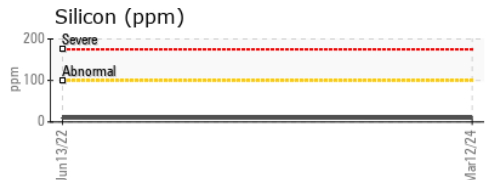
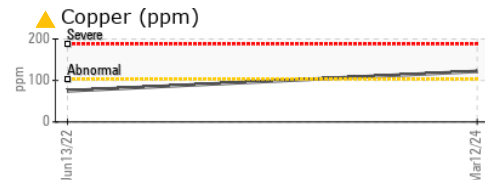
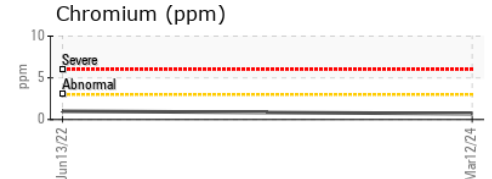
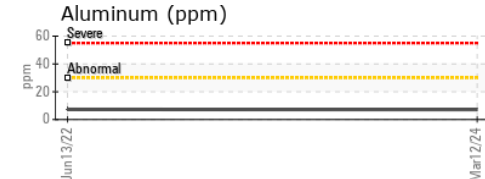
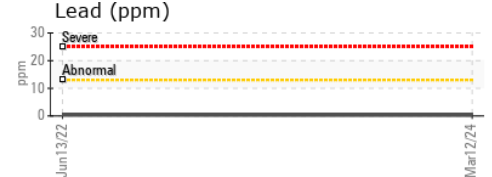
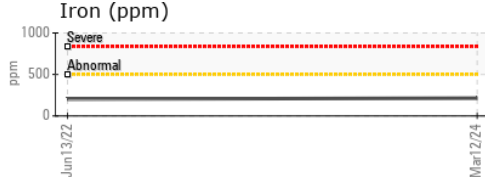
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	141.0	164	163

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color	no image	no image	no image
Bottom	no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0110064
Lab Number : 06118454
Unique Number : 10927287
Test Package : MOB 2
Received : 14 Mar 2024
Tested : 15 Mar 2024
Diagnosed : 18 Mar 2024 - Don Baldrige

G LOPES CONSTRUCTION
 565 WINTHROP ST
 TAUNTON, MA
 US 02780
 Contact: BUTCH MCGRATH
 bmcgrath@glopes.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: