



WEAR

NORMAL

CONTAMINATION

ABNORMAL

FLUID CONDITION

ATTENTION



Area
G.LOPES CONSTRUCTION INC./Off-Road
Machine Id
L336
Component
Rear Differential
Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0109705	PCA0104548	PCA0078303
Sample Date		Client Info		18 Jun 2024	05 Sep 2023	31 Aug 2022
Machine Age	hrs	Client Info		9919	8761	7145
Oil Age	hrs	Client Info		9919	8761	7145
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	206	▲ 1479	▲ 1347
Chromium	ppm	ASTM D5185m	>3	<1	3	3
Nickel	ppm	ASTM D5185m	>3	0	<1	3
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>30	2	9	12
Lead	ppm	ASTM D5185m	>13	0	<1	1
Copper	ppm	ASTM D5185m	>103	11	52	100
Tin	ppm	ASTM D5185m	>5	0	0	1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

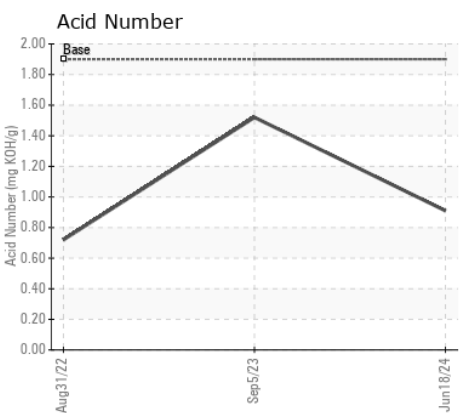
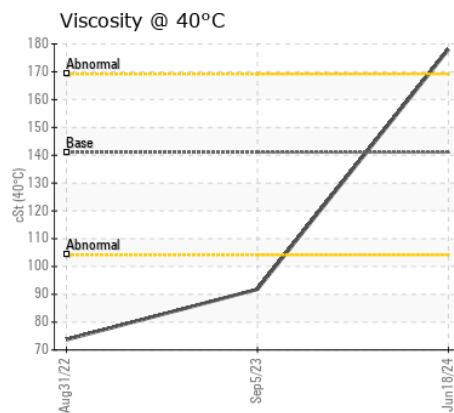
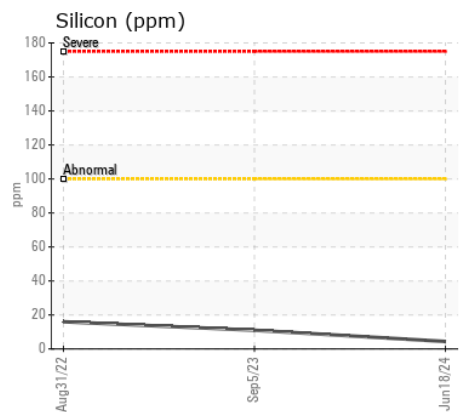
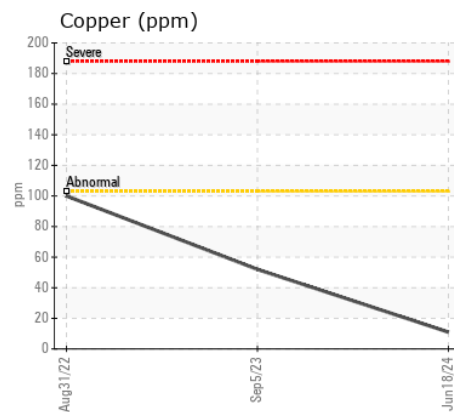
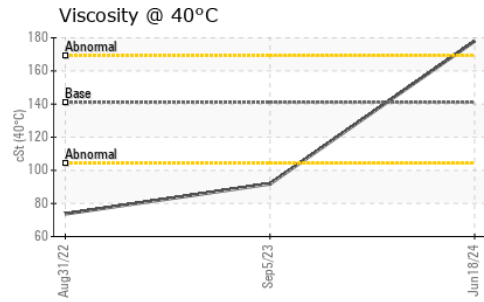
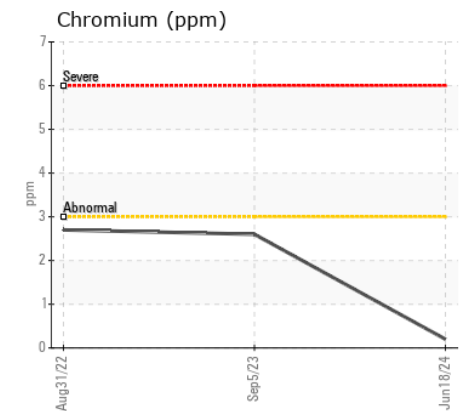
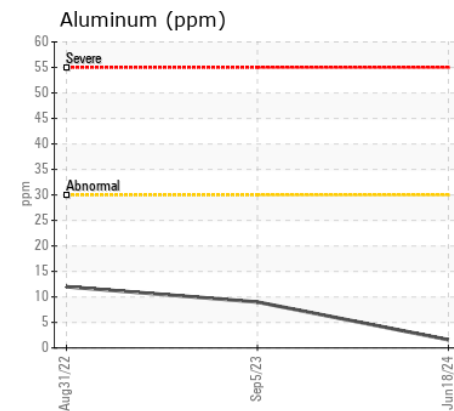
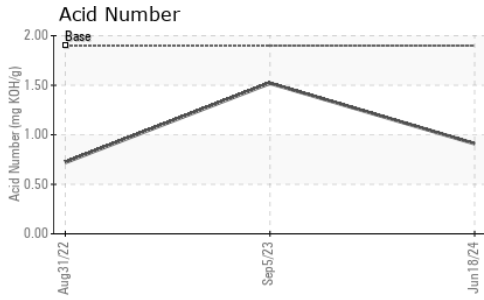
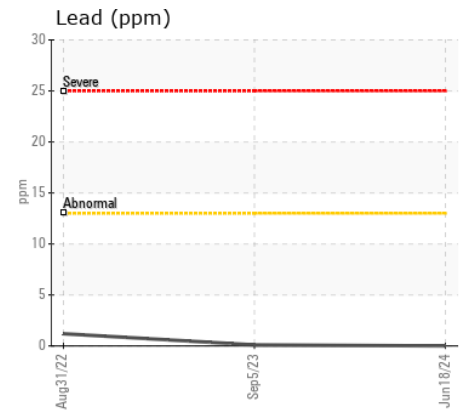
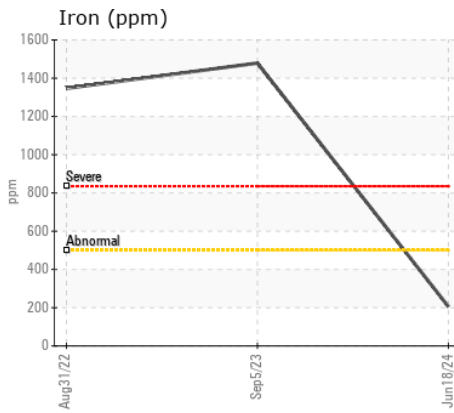
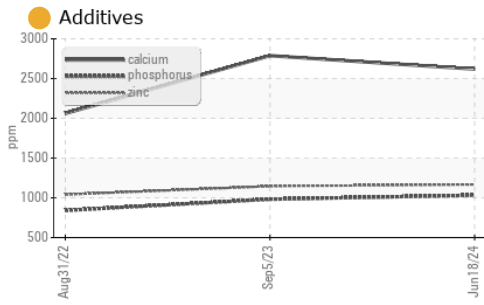
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>100	4	11	16
Potassium	ppm	ASTM D5185m	>20	3	2	<1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	0.2%	NEG

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		6	25	4
Boron	ppm	ASTM D5185m	243	● 2	7	7
Barium	ppm	ASTM D5185m	1	0	2	1
Molybdenum	ppm	ASTM D5185m		1	10	<1
Manganese	ppm	ASTM D5185m		2	13	12
Magnesium	ppm	ASTM D5185m	2	22	38	12
Calcium	ppm	ASTM D5185m	6	● 2619	2788	2061
Phosphorus	ppm	ASTM D5185m	987	1033	982	841
Zinc	ppm	ASTM D5185m	1	● 1167	1146	1041
Sulfur	ppm	ASTM D5185m	21530	● 6069	6119	5455
Acid Number (AN)	mg KOH/g	ASTM D8045	1.9	0.91	1.52	0.72
Visc @ 40°C	cSt	ASTM D445	141.0	178	● 91.8	● 73.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0109705 **Received** : 20 Jun 2024
Lab Number : 06215883 **Tested** : 21 Jun 2024
Unique Number : 11088747 **Diagnosed** : 23 Jun 2024 - Don Baldrige
Test Package : MOB 2

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)

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F: