



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
G.LOPES CONSTRUCTION INC./Off-Road

Machine Id

L43

Component

Transmission (Manual)

Fluid

PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0109896	PCA0109648	PCA0098397
Sample Date		Client Info		10 Apr 2024	26 Dec 2023	23 Aug 2023
Machine Age	hrs	Client Info		24210	24210	24210
Oil Age	hrs	Client Info		18062	18062	18062
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				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	18	14	12
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>7	0	0	<1
Aluminum	ppm	ASTM D5185m	>25	1	<1	2
Lead	ppm	ASTM D5185m	>45	5	1	2
Copper	ppm	ASTM D5185m	>225	27	26	26
Tin	ppm	ASTM D5185m	>10	2	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

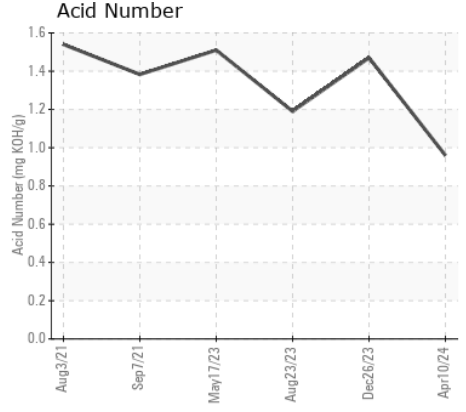
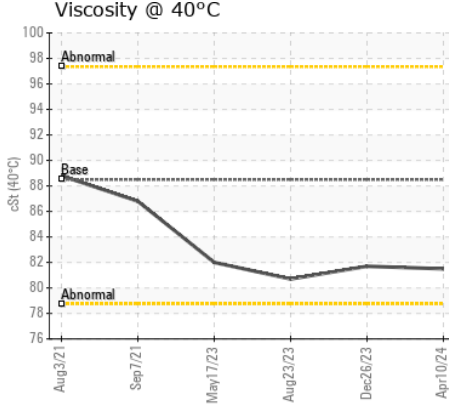
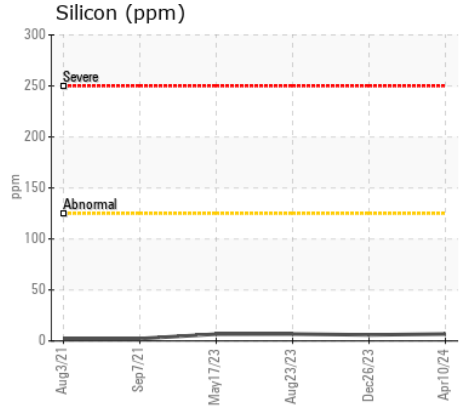
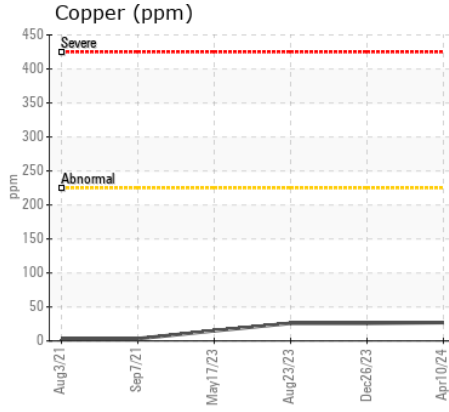
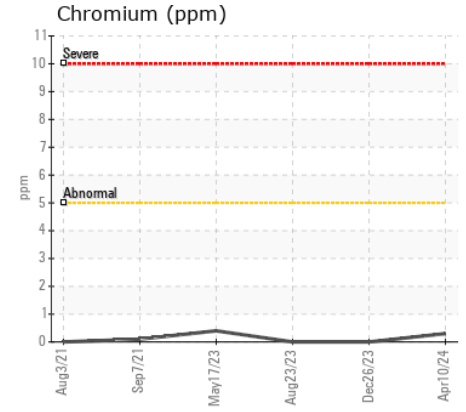
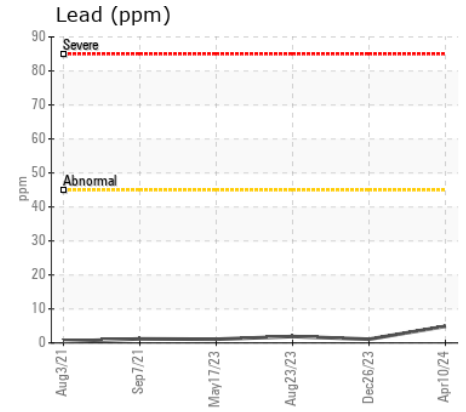
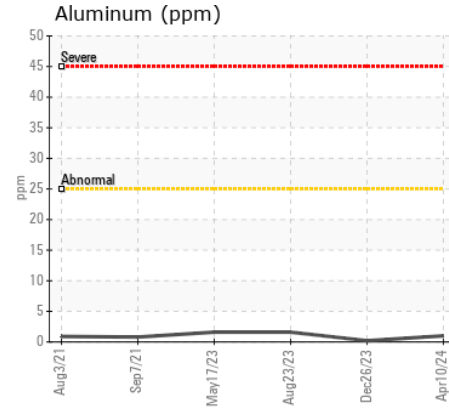
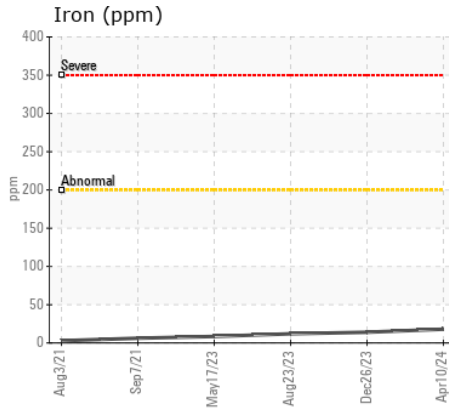
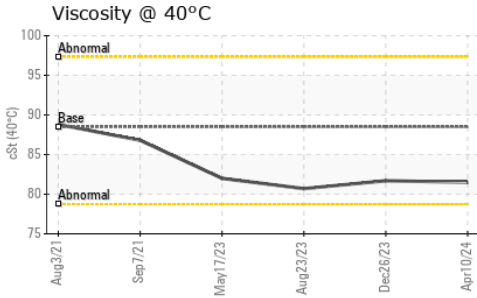
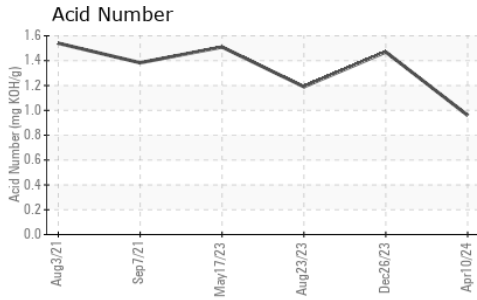
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	7	6	7
Potassium	ppm	ASTM D5185m	>20	3	0	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		36	35	35
Boron	ppm	ASTM D5185m	2	7	3	4
Barium	ppm	ASTM D5185m	0	0	0	2
Molybdenum	ppm	ASTM D5185m	0	6	5	6
Manganese	ppm	ASTM D5185m	9	<1	0	<1
Magnesium	ppm	ASTM D5185m	1	56	29	34
Calcium	ppm	ASTM D5185m	3131	2662	2514	2849
Phosphorus	ppm	ASTM D5185m	1194	1032	867	1065
Zinc	ppm	ASTM D5185m	1281	1201	1034	1259
Sulfur	ppm	ASTM D5185m	3811	8026	5942	7890
Acid Number (AN)	mg KOH/g	ASTM D8045		0.96	1.47	1.19
Visc @ 40°C	cSt	ASTM D445	88.5	81.5	81.7	80.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0109896 **Received** : 12 Apr 2024
Lab Number : 06147519 **Tested** : 15 Apr 2024
Unique Number : 10977597 **Diagnosed** : 15 Apr 2024 - Wes Davis
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)

T:
F: