



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**G.LOPES CONSTRUCTION INC./Off-Road**

Machine Id

**L67**

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		<b>PCA0122911</b>	PCA0090584	PCA0078285
Sample Date		Client Info		<b>24 Jun 2024</b>	09 May 2023	06 Sep 2022
Machine Age	hrs	Client Info		<b>30557</b>	28821	28789
Oil Age	hrs	Client Info		<b>26195</b>	25806	2983
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	SEVERE

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>5</b>	6	37
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	1	3
Lead	ppm	ASTM D5185m	>45	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>225	<b>25</b>	15	▲ 631
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

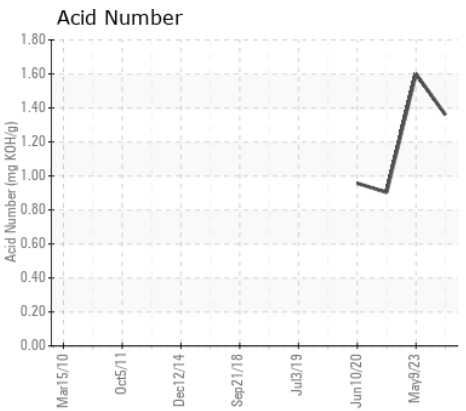
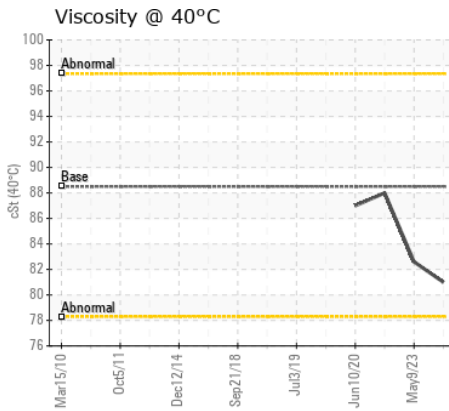
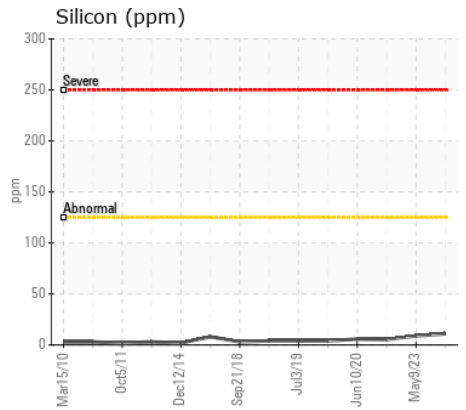
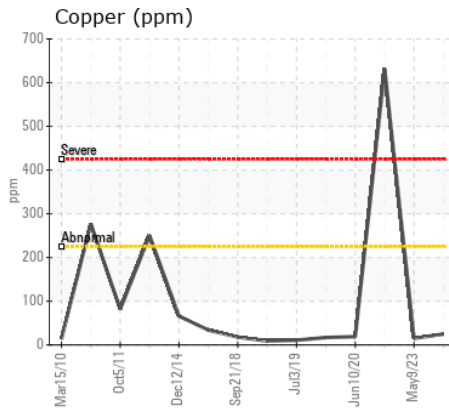
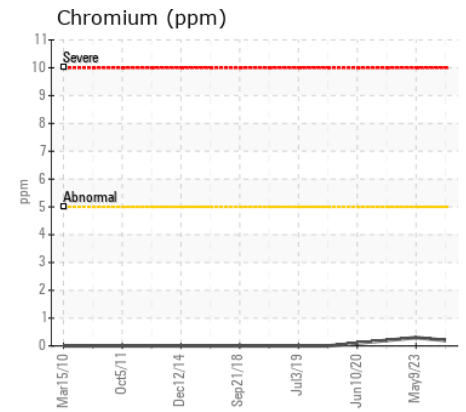
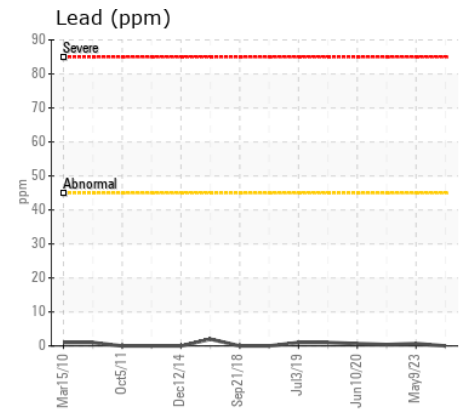
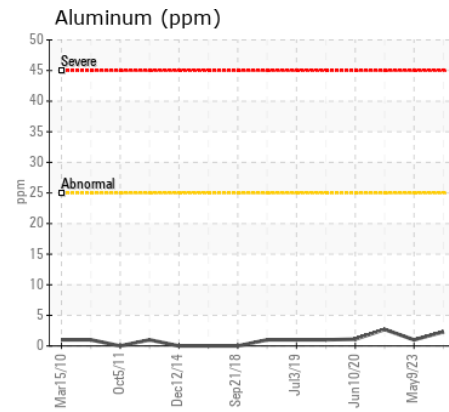
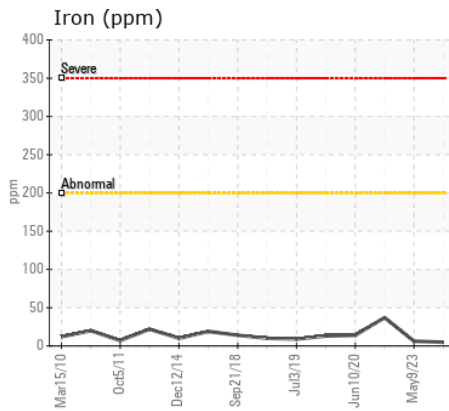
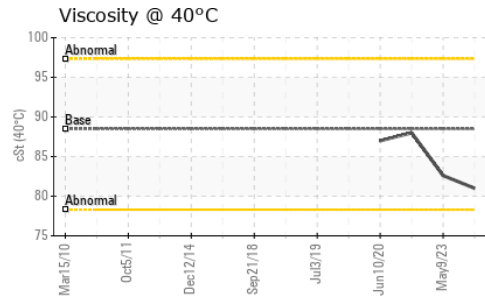
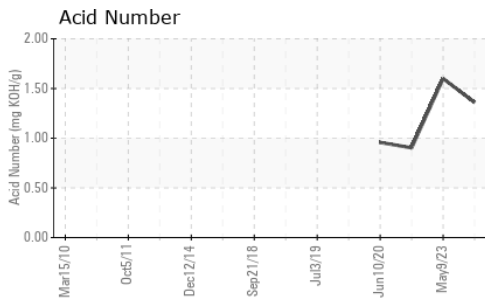
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>11</b>	9	5
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	3	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	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		<b>20</b>	19	<1
Boron	ppm	ASTM D5185m	2	<b>7</b>	7	9
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>10</b>	11	7
Manganese	ppm	ASTM D5185m	9	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	1	<b>40</b>	54	43
Calcium	ppm	ASTM D5185m	3131	<b>2638</b>	2773	2983
Phosphorus	ppm	ASTM D5185m	1194	<b>901</b>	1019	1042
Zinc	ppm	ASTM D5185m	1281	<b>1234</b>	1259	1104
Sulfur	ppm	ASTM D5185m	3811	<b>5548</b>	7003	9497
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.36</b>	1.60	0.903
Visc @ 40°C	cSt	ASTM D445	88.5	<b>81.0</b>	82.6	88.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0122911 **Received** : 26 Jun 2024  
**Lab Number** : 06221396 **Tested** : 27 Jun 2024  
**Unique Number** : 11099593 **Diagnosed** : 27 Jun 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)