



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



Area  
**N.E.R./Off-Road**

Machine Id

**L86**

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>PCA0122476</b>	PCA0098473	PCA0078066
Sample Date		Client Info		<b>18 Jun 2024</b>	07 Aug 2023	04 Oct 2022
Machine Age	hrs	Client Info		<b>106810</b>	106810	106810
Oil Age	hrs	Client Info		<b>14458</b>	14458	14458
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	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>13</b>	7	4
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>7	<b>1</b>	<1	1
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	<1	1
Lead	ppm	ASTM D5185m	>45	<b>4</b>	4	<1
Copper	ppm	ASTM D5185m	>225	<b>41</b>	19	4
Tin	ppm	ASTM D5185m	>10	<b>2</b>	2	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

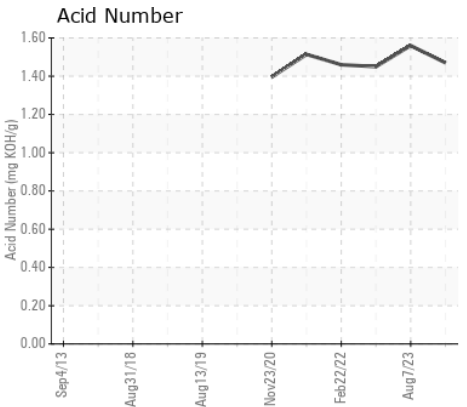
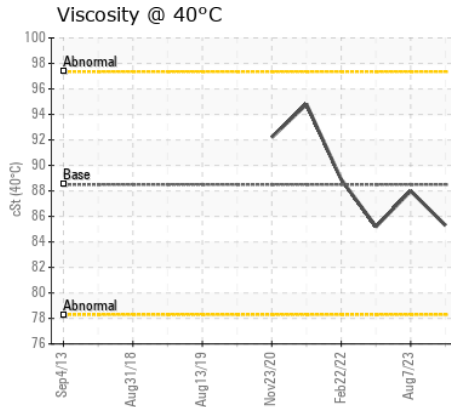
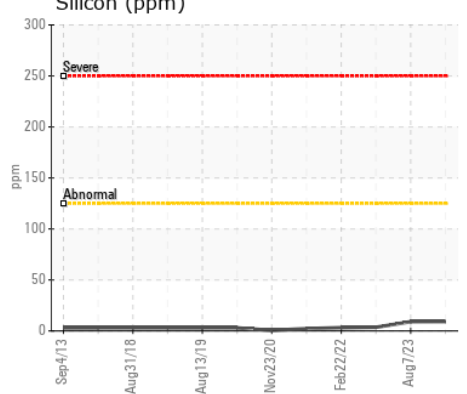
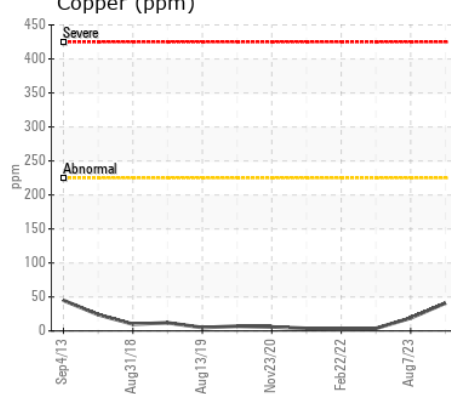
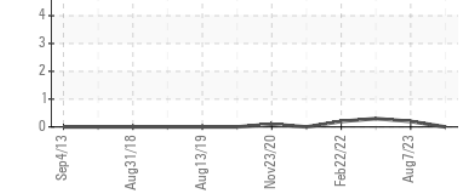
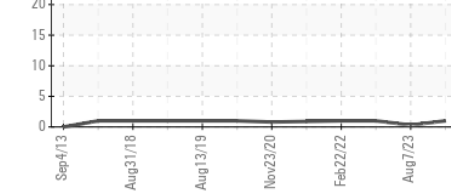
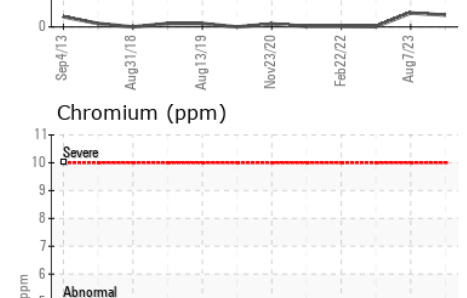
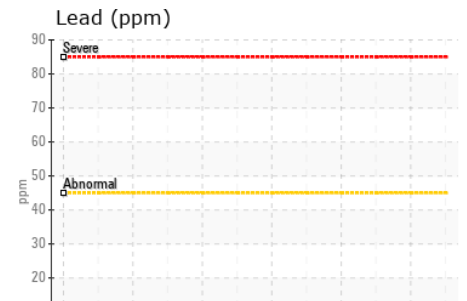
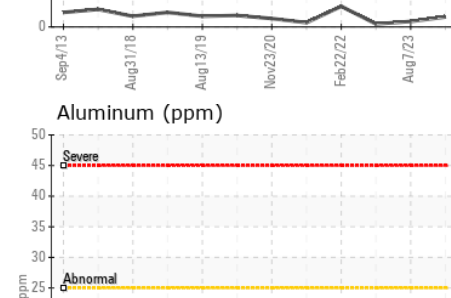
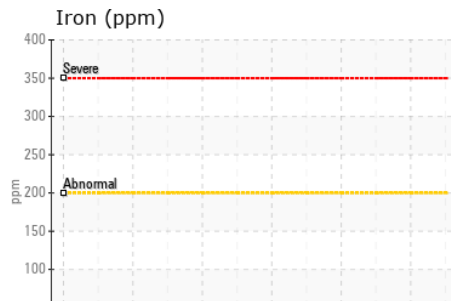
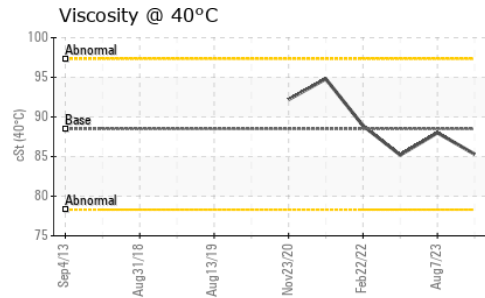
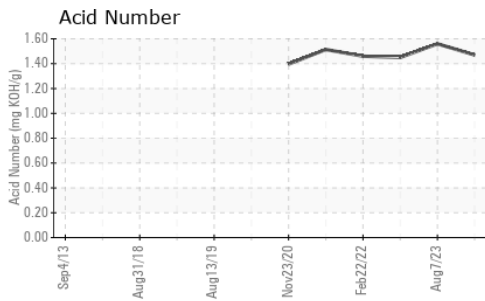
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>9</b>	9	4
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	3	0
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>	NONE	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>22</b>	22	2
Boron	ppm	ASTM D5185m	2	<b>1</b>	0	0
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	2	1
Manganese	ppm	ASTM D5185m	9	<b>&lt;1</b>	2	1
Magnesium	ppm	ASTM D5185m	1	<b>17</b>	13	11
Calcium	ppm	ASTM D5185m	3131	<b>2947</b>	2546	2960
Phosphorus	ppm	ASTM D5185m	1194	<b>1115</b>	897	1041
Zinc	ppm	ASTM D5185m	1281	<b>1290</b>	1113	1227
Sulfur	ppm	ASTM D5185m	3811	<b>9166</b>	8108	5744
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.47</b>	1.56	1.45
Visc @ 40°C	cSt	ASTM D445	88.5	<b>85.3</b>	88.0	85.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0122476  
**Lab Number** : 06215884  
**Unique Number** : 11088748  
**Test Package** : MOB 2  
**Received** : 20 Jun 2024  
**Tested** : 21 Jun 2024  
**Diagnosed** : 21 Jun 2024 - Wes Davis

**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: