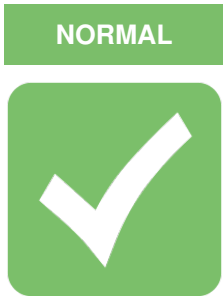
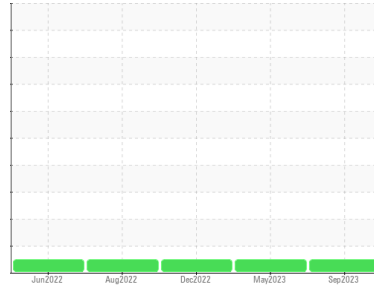


# OIL ANALYSIS REPORT



Area  
**G.LOPES CONSTRUCTION INC./OFF-ROAD**  
Machine Id  
**L-96**  
Component  
**Transmission (Manual)**  
Fluid  
**PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)**

Sample Rating Trend



## DIAGNOSIS

- Recommendation**  
Resample at the next service interval to monitor.
- Wear**  
All component wear rates are normal.
- Contamination**  
There is no indication of any contamination in the fluid.
- Fluid Condition**  
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0104546</b>	PCA0083191	PCA0078343
Sample Date	Client Info		<b>05 Sep 2023</b>	02 May 2023	21 Dec 2022
Machine Age	hrs Client Info		<b>5682</b>	5050	4305
Oil Age	hrs Client Info		<b>5682</b>	5050	4305
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>200	<b>43</b>	37	40
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>	0	<1
Silver	ppm ASTM D5185m	>7	<b>&lt;1</b>	0	<1
Aluminum	ppm ASTM D5185m	>25	<b>3</b>	<1	2
Lead	ppm ASTM D5185m	>45	<b>2</b>	0	2
Copper	ppm ASTM D5185m	>225	<b>17</b>	15	16
Tin	ppm ASTM D5185m	>10	<b>&lt;1</b>	<1	1
Vanadium	ppm ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm ASTM D5185m		<b>&lt;1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	2	<b>9</b>	10	10
Barium	ppm ASTM D5185m	0	<b>4</b>	0	3
Molybdenum	ppm ASTM D5185m	0	<b>0</b>	<1	<1
Manganese	ppm ASTM D5185m	9	<b>&lt;1</b>	<1	<1
Magnesium	ppm ASTM D5185m	1	<b>8</b>	10	15
Calcium	ppm ASTM D5185m	3131	<b>2923</b>	3077	3421
Phosphorus	ppm ASTM D5185m	1194	<b>1008</b>	1043	1203
Zinc	ppm ASTM D5185m	1281	<b>1194</b>	1309	1376
Sulfur	ppm ASTM D5185m	3811	<b>5796</b>	6767	6946

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>125	<b>6</b>	6	9
Sodium	ppm ASTM D5185m		<b>4</b>	4	6
Potassium	ppm ASTM D5185m	>20	<b>2</b>	1	0

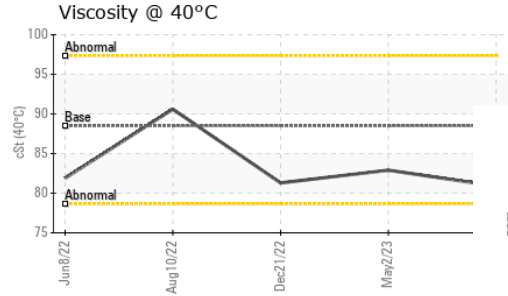
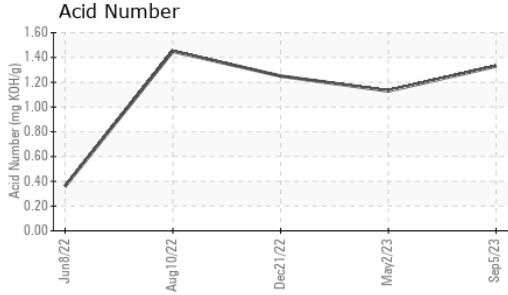
## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		<b>1.33</b>	1.13	1.25

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar *Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar *Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar *Visual	NONE	<b>NONE</b>	NONE	NONE
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
Free Water	scalar *Visual		<b>NEG</b>	NEG	NEG

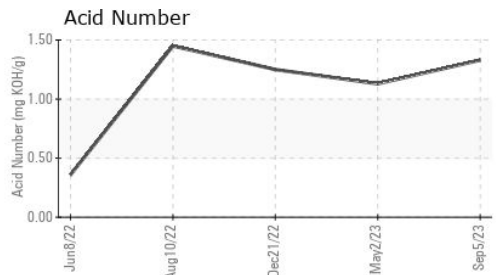
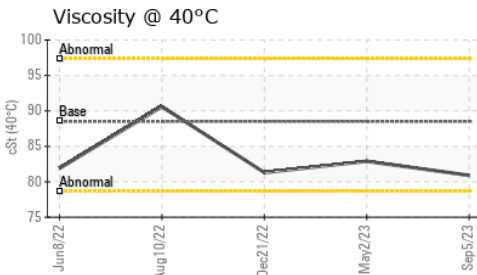
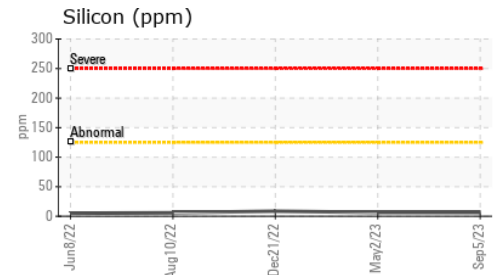
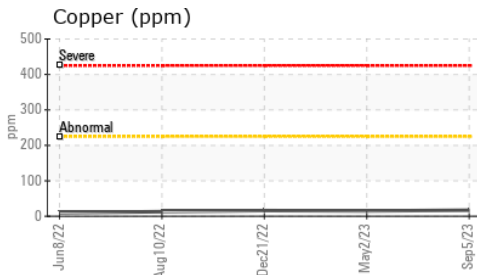
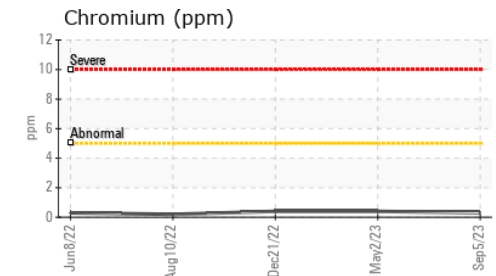
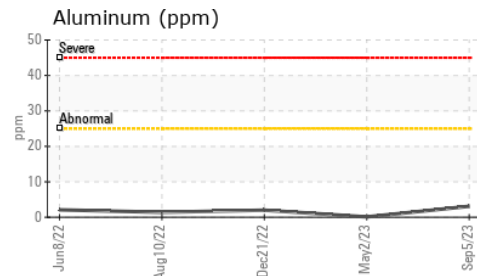
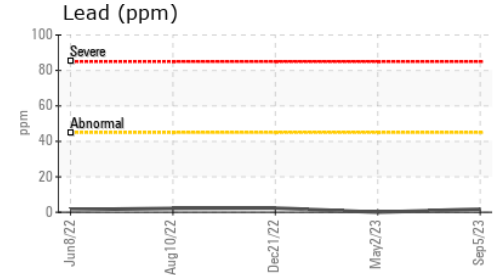
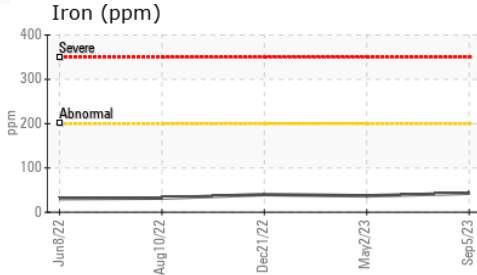
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 88.5	<b>80.9</b>	82.9	81.3

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0104546 **Received** : 07 Sep 2023  
**Lab Number** : 05944723 **Diagnosed** : 08 Sep 2023  
**Unique Number** : 10635335 **Diagnostician** : 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: