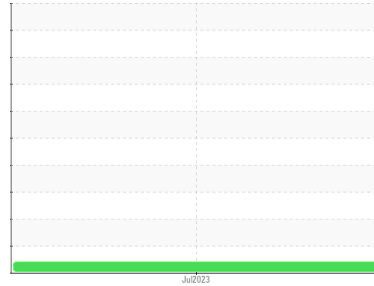


# OIL ANALYSIS REPORT

Sample Rating Trend



**VISCOSITY**



Area  
**G.LOPES CONSTRUCTION INC./OFF-ROAD**  
 Machine Id  
**L-63**  
 Component  
**Rear Left Final Drive**  
 Fluid  
**PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. 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 oil.

### ▲ Fluid Condition

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0098542</b>	---	---
Sample Date	Client Info	<b>03 Jul 2023</b>	---	---
Machine Age	hrs Client Info	<b>343</b>	---	---
Oil Age	hrs Client Info	<b>343</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ATTENTION</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>500	<b>82</b>	---	---
Chromium ppm ASTM D5185m	>10	<b>&lt;1</b>	---	---
Nickel ppm ASTM D5185m		<b>0</b>	---	---
Titanium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Silver ppm ASTM D5185m		<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>25	<b>3</b>	---	---
Lead ppm ASTM D5185m	>25	<b>&lt;1</b>	---	---
Copper ppm ASTM D5185m	>50	<b>33</b>	---	---
Tin ppm ASTM D5185m	>10	<b>0</b>	---	---
Vanadium ppm ASTM D5185m		<b>0</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	2	<b>0</b>	---	---
Barium ppm ASTM D5185m	0	<b>4</b>	---	---
Molybdenum ppm ASTM D5185m	0	<b>&lt;1</b>	---	---
Manganese ppm ASTM D5185m	0	<b>2</b>	---	---
Magnesium ppm ASTM D5185m	9	<b>11</b>	---	---
Calcium ppm ASTM D5185m	3114	<b>3180</b>	---	---
Phosphorus ppm ASTM D5185m	1099	<b>1076</b>	---	---
Zinc ppm ASTM D5185m	1245	<b>1302</b>	---	---
Sulfur ppm ASTM D5185m	7086	<b>4808</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>75	<b>4</b>	---	---
Sodium ppm ASTM D5185m		<b>0</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>2</b>	---	---

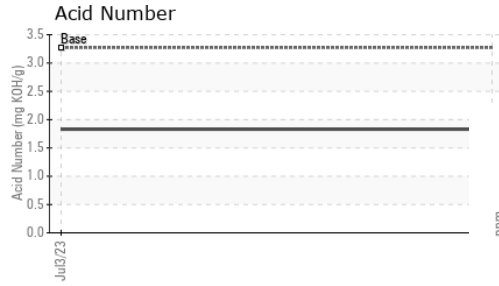
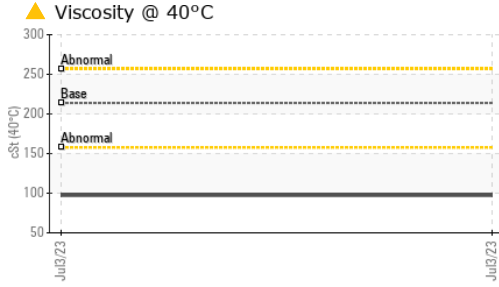
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	3.27	<b>1.83</b>	---	---

## VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Yellow Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Precipitate scalar *Visual	NONE	<b>NONE</b>	---	---
Silt scalar *Visual	NONE	<b>NONE</b>	---	---
Debris scalar *Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt scalar *Visual	NONE	<b>NONE</b>	---	---
Appearance scalar *Visual	NORML	<b>NORML</b>	---	---
Odor scalar *Visual	NORML	<b>NORML</b>	---	---
Emulsified Water scalar *Visual	>0.2	<b>NEG</b>	---	---
Free Water scalar *Visual		<b>NEG</b>	---	---

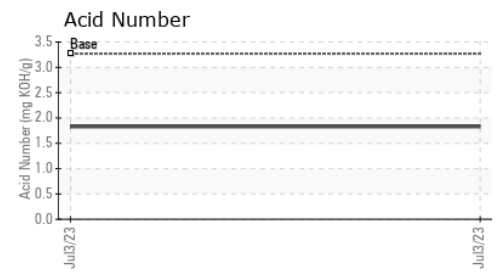
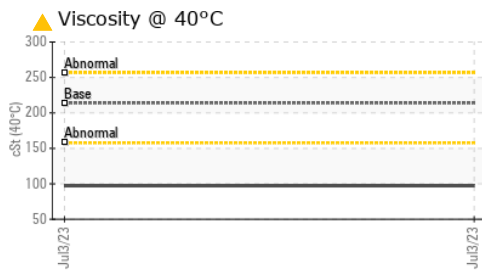
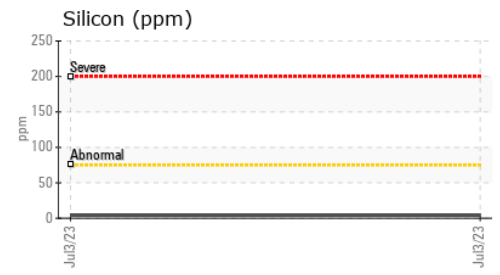
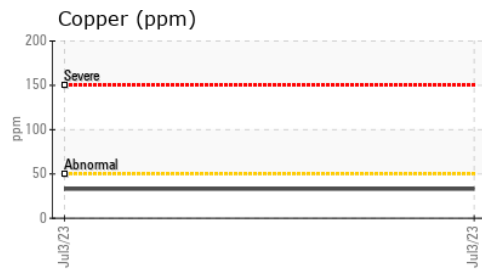
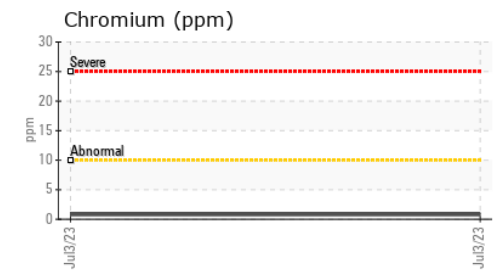
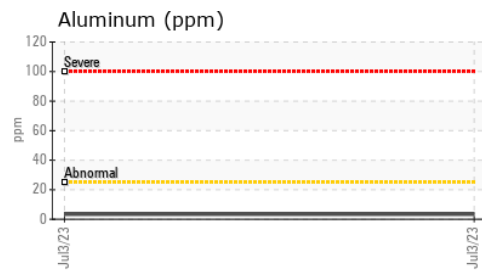
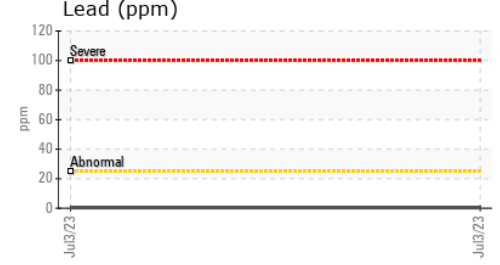
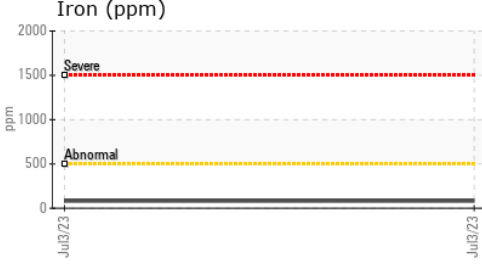
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	213.9	▲ 97.4	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0098542 **Received** : 06 Jul 2023  
**Lab Number** : 05891446 **Diagnosed** : 10 Jul 2023  
**Unique Number** : 10547256 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 2

**G LOPES CONSTRUCTION**  
 565 WINTHROP ST  
 TAUNTON, MA  
 US 02780  
 Contact: BUTCH MCGRATH  
 bmcgrath@glopes.com  
 T:  
 F:

*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)*