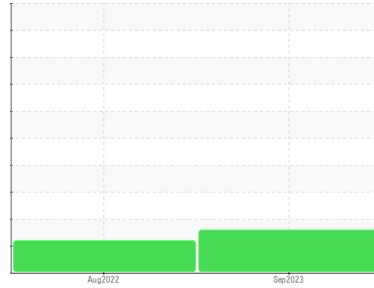


# OIL ANALYSIS REPORT



Area  
**G.LOPES CONSTRUCTION INC./Off-Road**  
Machine Id  
**L336**  
Component  
**Front Left Planetary**  
Fluid  
**PETRO CANADA TRAXON 80W90 (--- GAL)**

## Sample Rating Trend



## ADDITIVES



## 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 oil.

### ▲ Fluid Condition

Additive levels indicate 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>PCA0104655</b>	PCA0078299	---
Sample Date	Client Info	<b>05 Sep 2023</b>	31 Aug 2022	---
Machine Age	hrs Client Info	<b>8761</b>	7145	---
Oil Age	hrs Client Info	<b>8761</b>	7145	---
Oil Changed	Client Info	<b>N/A</b>	N/A	---
Sample Status		<b>ATTENTION</b>	ABNORMAL	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>500	<b>251</b>	394	---
Chromium ppm ASTM D5185m	>10	<b>2</b>	3	---
Nickel ppm ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Titanium ppm ASTM D5185m		<b>&lt;1</b>	<1	---
Silver ppm ASTM D5185m		<b>0</b>	<1	---
Aluminum ppm ASTM D5185m	>25	<b>7</b>	8	---
Lead ppm ASTM D5185m	>25	<b>0</b>	1	---
Copper ppm ASTM D5185m	>75	<b>28</b>	▲ 119	---
Tin ppm ASTM D5185m	>10	<b>0</b>	<1	---
Vanadium ppm ASTM D5185m		<b>0</b>	<1	---
Cadmium ppm ASTM D5185m		<b>0</b>	0	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	243	▲ <b>2</b>	7	---
Barium ppm ASTM D5185m	1	<b>2</b>	<1	---
Molybdenum ppm ASTM D5185m		<b>1</b>	4	---
Manganese ppm ASTM D5185m		<b>2</b>	4	---
Magnesium ppm ASTM D5185m	2	<b>20</b>	40	---
Calcium ppm ASTM D5185m	6	▲ <b>3016</b>	2667	---
Phosphorus ppm ASTM D5185m	987	<b>1064</b>	977	---
Zinc ppm ASTM D5185m	1	▲ <b>1296</b>	1223	---
Sulfur ppm ASTM D5185m	21530	▲ <b>6598</b>	8612	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>75	<b>6</b>	7	---
Sodium ppm ASTM D5185m		<b>0</b>	2	---
Potassium ppm ASTM D5185m	>20	<b>&lt;1</b>	0	---

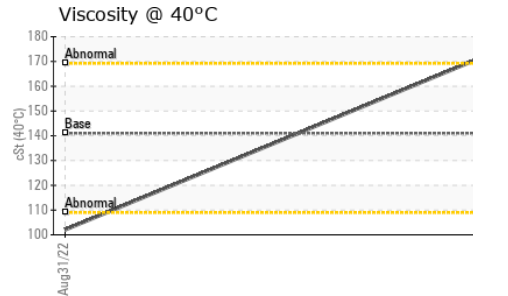
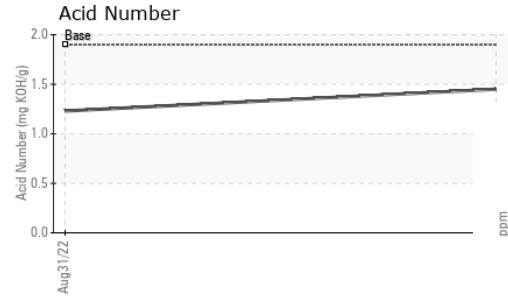
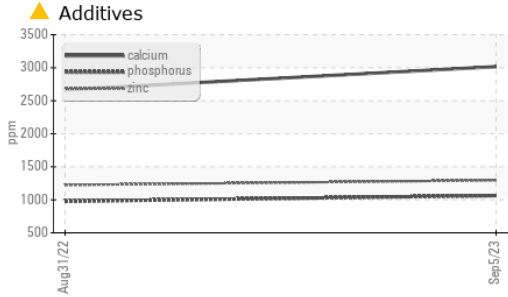
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	1.9	<b>1.45</b>	1.23	---

## VISUAL

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

# OIL ANALYSIS REPORT



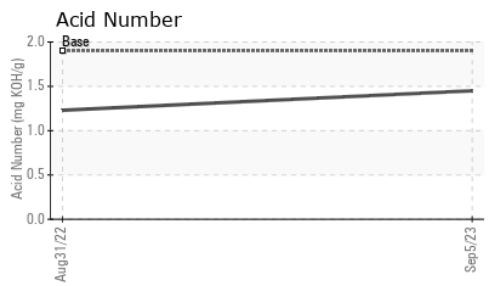
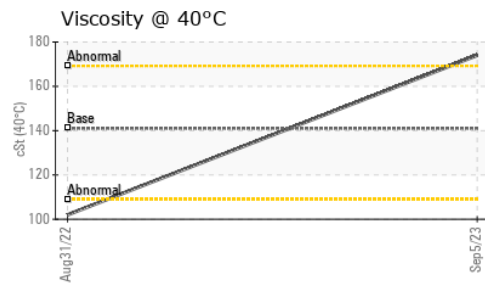
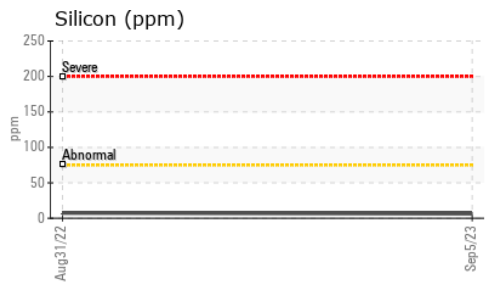
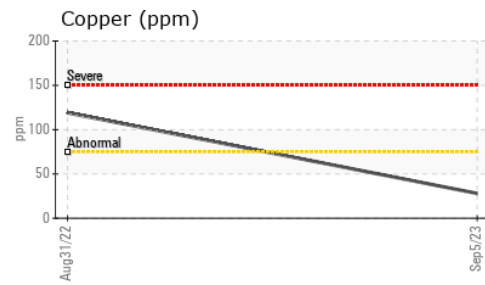
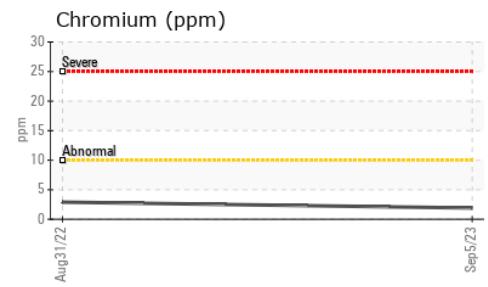
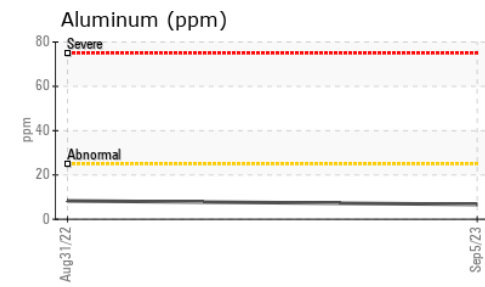
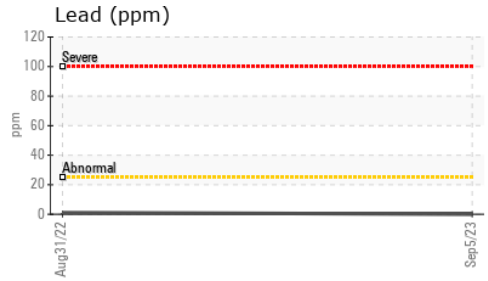
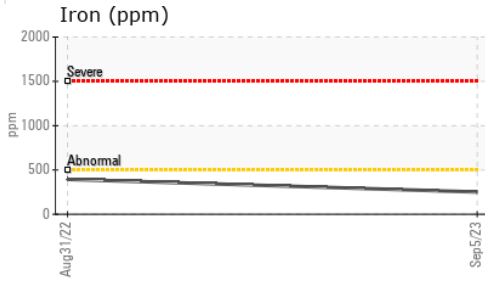
### FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 141.0	174	▲ 102	---

### 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.** : PCA0104655 **Received** : 07 Sep 2023  
**Lab Number** : 05944733 **Diagnosed** : 09 Sep 2023  
**Unique Number** : 10635345 **Diagnostician** : Doug Bogart  
**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: