

# OIL ANALYSIS REPORT



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

### Sample Rating Trend



**WEAR**



## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### ▲ Wear

Gear wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

### ▲ Fluid Condition

The oil viscosity is lower than normal. 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>PCA0104698</b>	PCA0078306	---
Sample Date	Client Info		<b>05 Sep 2023</b>	31 Aug 2022	---
Machine Age	hrs	Client Info	<b>9162</b>	7363	---
Oil Age	hrs	Client Info	<b>8761</b>	7145	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>▲ 1138</b>	▲ 958	---
Chromium	ppm	ASTM D5185m >10	<b>2</b>	2	---
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	2	---
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>	9	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	1	---
Copper	ppm	ASTM D5185m >75	<b>40</b>	76	---
Tin	ppm	ASTM D5185m >10	<b>0</b>	1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 243	<b>5</b>	3	---
Barium	ppm	ASTM D5185m 1	<b>2</b>	1	---
Molybdenum	ppm	ASTM D5185m	<b>8</b>	<1	---
Manganese	ppm	ASTM D5185m	<b>10</b>	9	---
Magnesium	ppm	ASTM D5185m 2	<b>30</b>	14	---
Calcium	ppm	ASTM D5185m 6	<b>2214</b>	2249	---
Phosphorus	ppm	ASTM D5185m 987	<b>779</b>	861	---
Zinc	ppm	ASTM D5185m 1	<b>938</b>	1090	---
Sulfur	ppm	ASTM D5185m 21530	<b>5043</b>	5235	---

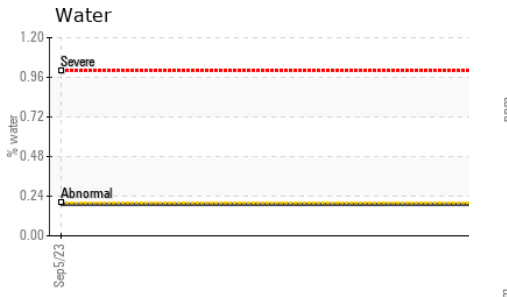
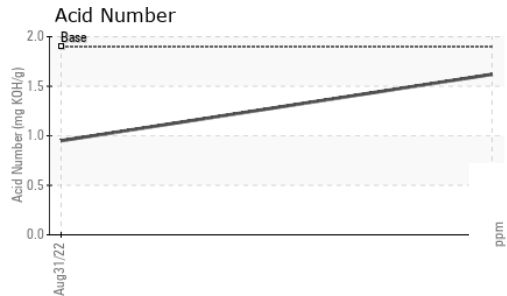
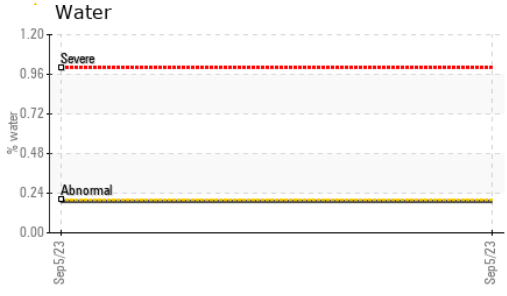
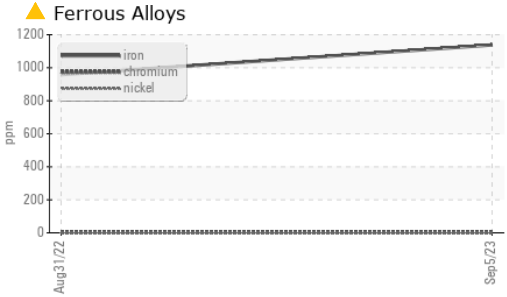
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>9</b>	11	---
Sodium	ppm	ASTM D5185m	<b>20</b>	3	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	---
Water	%	ASTM D6304 >0.2	<b>0.190</b>	---	---
ppm Water	ppm	ASTM D6304 >2000	<b>1900</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.9	<b>1.62</b>	0.95	---

# OIL ANALYSIS REPORT

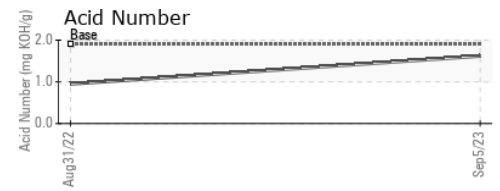
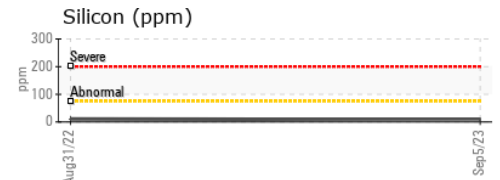
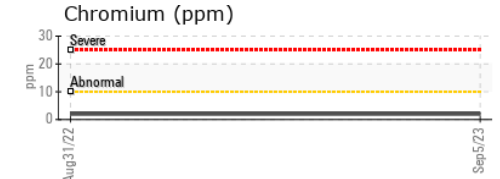
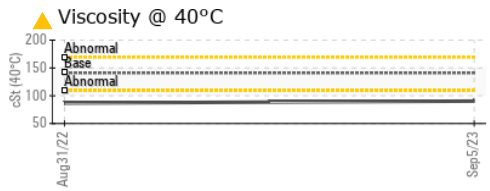
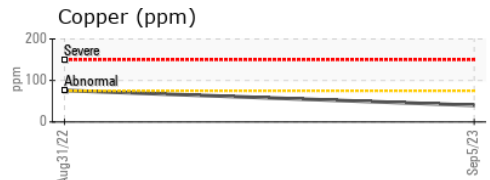
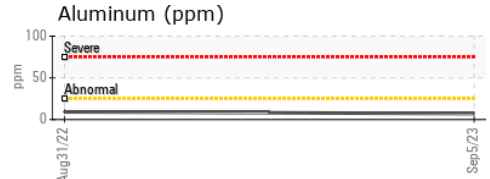


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	141.0	▲ 90.4	▲ 86.8

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.** : PCA0104698 **Received** : 07 Sep 2023  
**Lab Number** : 05944724 **Diagnosed** : 09 Sep 2023  
**Unique Number** : 10635336 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 2 ( Additional Tests: KF )

**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)