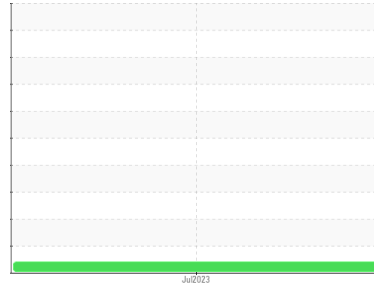


# OIL ANALYSIS REPORT

Sample Rating Trend



**VISCOSITY**



Area  
**G.LOPES CONSTRUCTION INC./OFF-ROAD**  
 Machine Id  
**L-63**  
 Component  
**Rear Differential**  
 Fluid  
**PETRO CANADA TRAXON 80W90 (--- 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>PCA0090750</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>85</b>	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	---
Nickel	ppm	ASTM D5185m >10	<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 >100	<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 243	<b>0</b>	---
Barium	ppm	ASTM D5185m 1	<b>4</b>	---
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	---
Manganese	ppm	ASTM D5185m	<b>2</b>	---
Magnesium	ppm	ASTM D5185m 2	<b>11</b>	---
Calcium	ppm	ASTM D5185m 6	<b>3156</b>	---
Phosphorus	ppm	ASTM D5185m 987	<b>1071</b>	---
Zinc	ppm	ASTM D5185m 1	<b>1293</b>	---
Sulfur	ppm	ASTM D5185m 21530	<b>4777</b>	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>5</b>	---
Sodium	ppm	ASTM D5185m	<b>0</b>	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	---

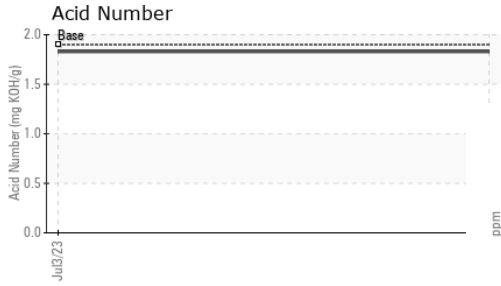
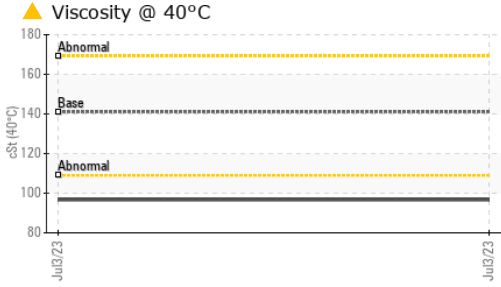
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.9	<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 >.2	<b>NEG</b>	---
Free Water	scalar	*Visual	<b>NEG</b>	---

# OIL ANALYSIS REPORT

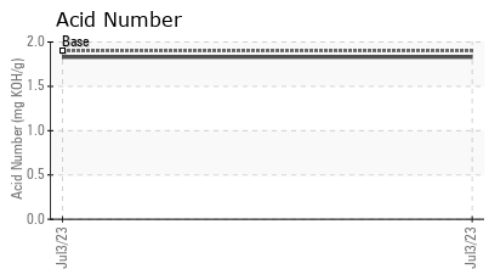
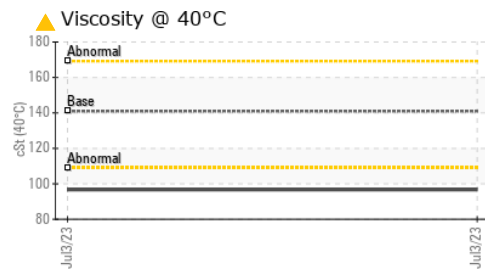
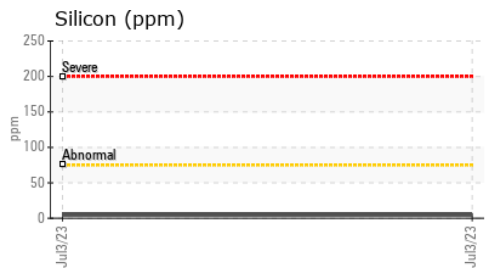
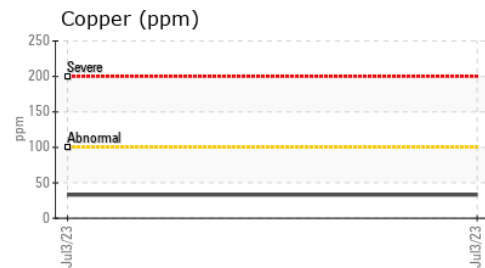
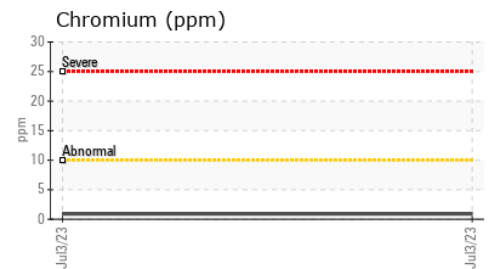
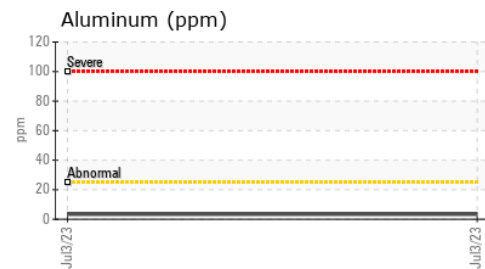
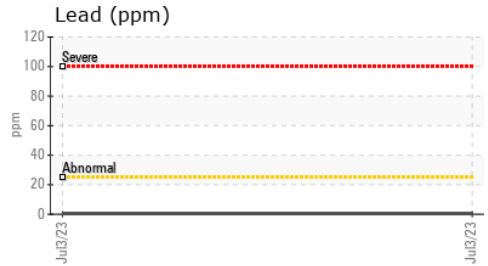
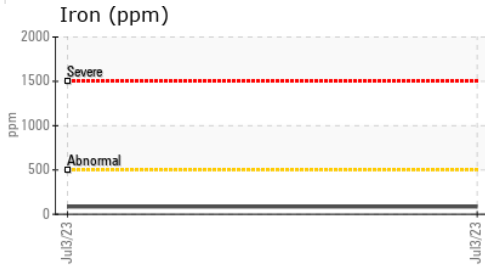


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	141.0	▲ 96.7	---	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0090750 **Received** : 06 Jul 2023  
**Lab Number** : 05891445 **Diagnosed** : 10 Jul 2023  
**Unique Number** : 10547255 **Diagnostician** : Don Baldrige  
**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: