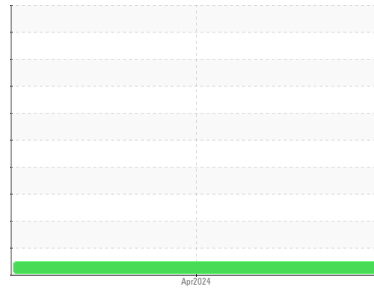


# OIL ANALYSIS REPORT



Area  
**G.LOPES CONSTRUCTION INC./Off-Road**  
 Machine Id  
**L00**  
 Component  
**Rear Differential**  
 Fluid  
**{not provided} (--- GAL)**

### Sample Rating Trend



NORMAL

✓

## 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**  
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0122684</b>	---	---
Sample Date	Client Info	<b>17 Apr 2024</b>	---	---
Machine Age	hrs Client Info	<b>34603</b>	---	---
Oil Age	hrs Client Info	<b>34603</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >.2	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	<b>159</b>	---	---
Chromium	ppm ASTM D5185m >3	<b>1</b>	---	---
Nickel	ppm ASTM D5185m >3	<b>0</b>	---	---
Titanium	ppm ASTM D5185m >2	<b>1</b>	---	---
Silver	ppm ASTM D5185m >2	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >30	<b>9</b>	---	---
Lead	ppm ASTM D5185m >13	<b>3</b>	---	---
Copper	ppm ASTM D5185m >103	<b>66</b>	---	---
Tin	ppm ASTM D5185m >5	<b>1</b>	---	---
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>0</b>	---	---
Barium	ppm ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m	<b>6</b>	---	---
Manganese	ppm ASTM D5185m	<b>2</b>	---	---
Magnesium	ppm ASTM D5185m	<b>12</b>	---	---
Calcium	ppm ASTM D5185m	<b>3515</b>	---	---
Phosphorus	ppm ASTM D5185m	<b>1042</b>	---	---
Zinc	ppm ASTM D5185m	<b>1162</b>	---	---
Sulfur	ppm ASTM D5185m	<b>9073</b>	---	---

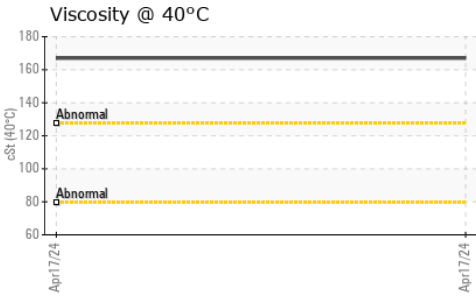
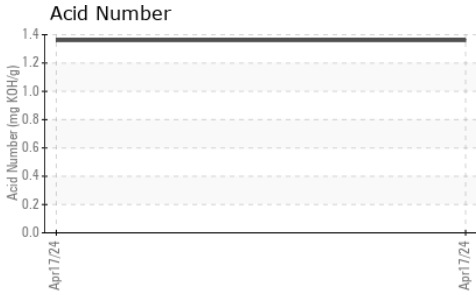
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >100	<b>24</b>	---	---
Sodium	ppm ASTM D5185m	<b>4</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>0</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>1.36</b>	---	---

# OIL ANALYSIS REPORT



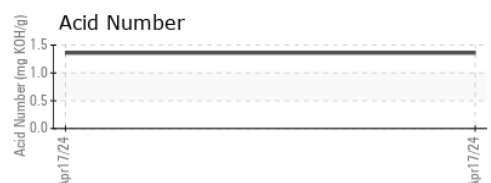
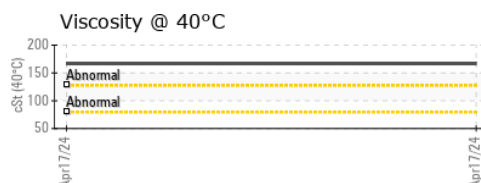
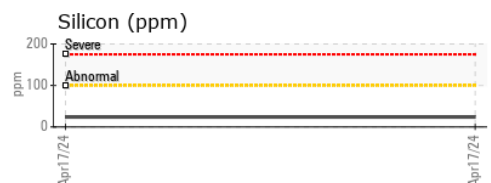
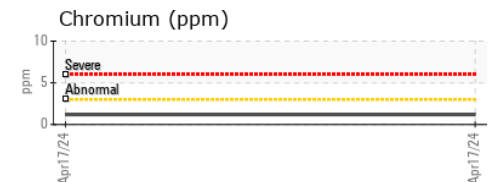
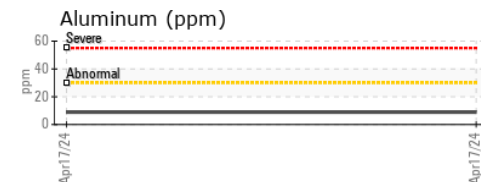
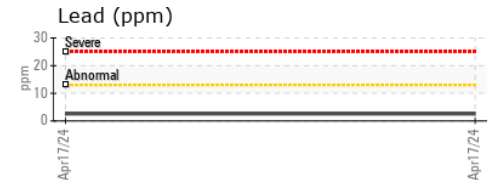
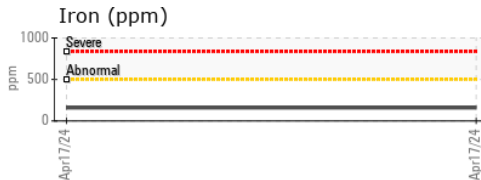
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>167</b>	---	---

### SAMPLE IMAGES

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.** : PCA0122684      **Received** : 19 Apr 2024  
**Lab Number** : **06154614**      **Tested** : 22 Apr 2024  
**Unique Number** : 10990037      **Diagnosed** : 23 Apr 2024 - 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: