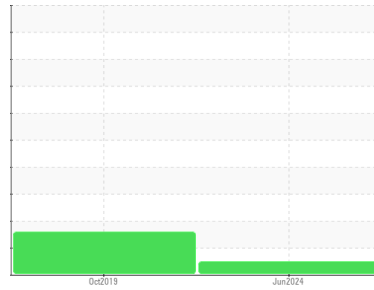


# OIL ANALYSIS REPORT



Area  
**G.LOPES CONSTRUCTION INC./Off-Road**  
 Machine Id  
**L67**  
 Component  
**Rear Differential**  
 Fluid  
**MOBIL MOBILTRANS HD 50 (--- 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>PCA0122907</b>	PCA11397059	---
Sample Date	Client Info		<b>24 Jun 2024</b>	24 Oct 2019	---
Machine Age	hrs	Client Info	<b>30168</b>	25164	---
Oil Age	hrs	Client Info	<b>30168</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>265</b>	216	---
Chromium	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m >3	<b>0</b>	1	---
Titanium	ppm	ASTM D5185m >2	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >30	<b>2</b>	2	---
Lead	ppm	ASTM D5185m >13	<b>0</b>	1	---
Copper	ppm	ASTM D5185m >103	<b>11</b>	10	---
Tin	ppm	ASTM D5185m >5	<b>0</b>	1	---
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	<b>8</b>	6	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>6</b>	5	---
Manganese	ppm	ASTM D5185m	<b>1</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>32</b>	32	---
Calcium	ppm	ASTM D5185m	<b>2970</b>	2615	---
Phosphorus	ppm	ASTM D5185m	<b>919</b>	883	---
Zinc	ppm	ASTM D5185m	<b>1285</b>	953	---
Sulfur	ppm	ASTM D5185m	<b>9716</b>	---	---

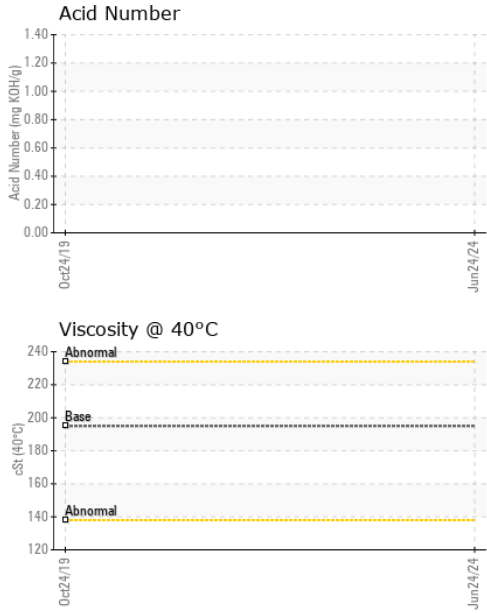
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >100	<b>19</b>	▲ 15	---
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	5	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>1.39</b>	---	---

# OIL ANALYSIS REPORT

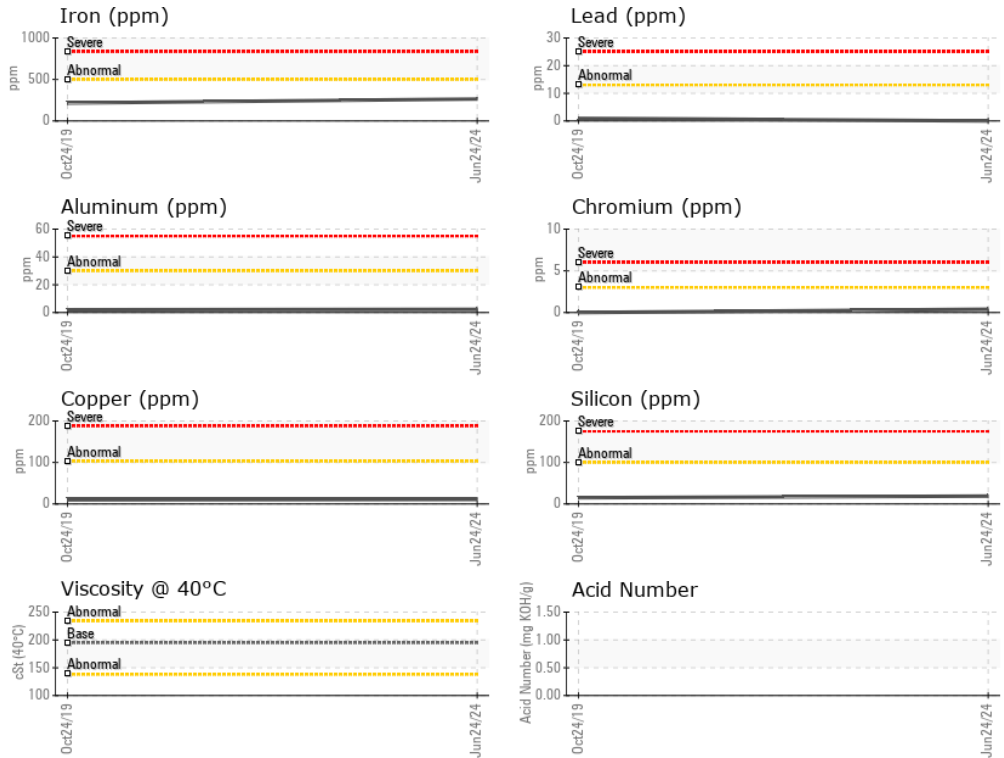


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
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	195	<b>188</b>	---	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0122907      **Received** : 26 Jun 2024  
**Lab Number** : 06221390      **Tested** : 27 Jun 2024  
**Unique Number** : 11099587      **Diagnosed** : 27 Jun 2024 - Wes Davis  
**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: