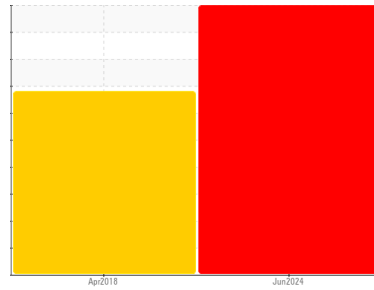


# OIL ANALYSIS REPORT



Area  
**G.LOPES CONSTRUCTION INC./Off-Road**  
 Machine Id  
**BH42**  
 Component  
**Front Left Final Drive**  
 Fluid  
**MOBIL MOBILTRANS HD 50 (--- GAL)**

Sample Rating Trend



## DIAGNOSIS

**Recommendation**  
 We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

**Wear**  
 Bearing and/or bushing wear is indicated.

**Contamination**  
 There is no indication of any contamination in the oil.

**Fluid Condition**  
 The AN level is acceptable for this fluid.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0109701</b>	PCA13317027	---
Sample Date	Client Info		<b>12 Jun 2024</b>	13 Apr 2018	---
Machine Age	hrs	Client Info	<b>3887</b>	1267	---
Oil Age	hrs	Client Info	<b>3887</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>SEVERE</b>	SEVERE	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	<b>248</b>	234	---
Chromium	ppm	ASTM D5185m >10	<b>4</b>	4	---
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m >15	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >75	<b>3</b>	2	---
Lead	ppm	ASTM D5185m >10	<b>▲ 49</b>	57	---
Copper	ppm	ASTM D5185m >75	<b>▲ 572</b>	▲ 766	---
Tin	ppm	ASTM D5185m >8	<b>▲ 55</b>	77	---
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>11</b>	6	---
Barium	ppm	ASTM D5185m	<b>0</b>	8	---
Molybdenum	ppm	ASTM D5185m	<b>9</b>	10	---
Manganese	ppm	ASTM D5185m	<b>3</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>26</b>	8	---
Calcium	ppm	ASTM D5185m	<b>3450</b>	2984	---
Phosphorus	ppm	ASTM D5185m	<b>1182</b>	859	---
Zinc	ppm	ASTM D5185m	<b>1321</b>	921	---
Sulfur	ppm	ASTM D5185m	<b>14127</b>	---	---

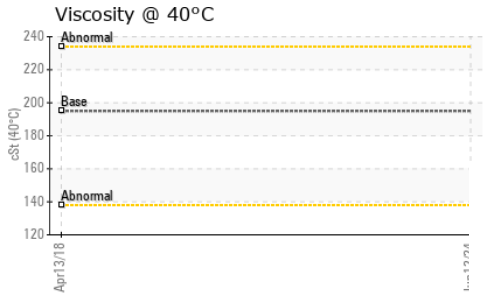
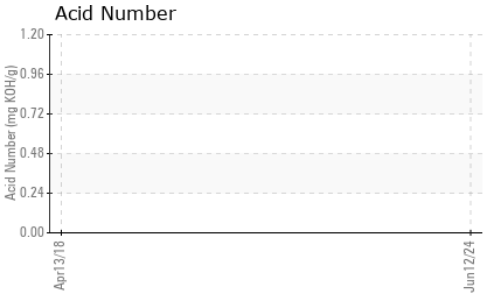
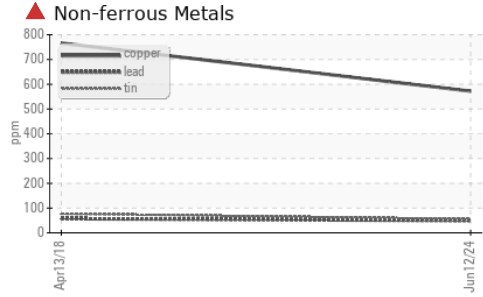
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	<b>12</b>	9	---
Sodium	ppm	ASTM D5185m	<b>8</b>	10	---
Potassium	ppm	ASTM D5185m >20	<b>6</b>	15	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>1.01</b>	---	---

# OIL ANALYSIS REPORT

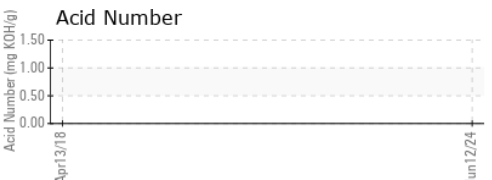
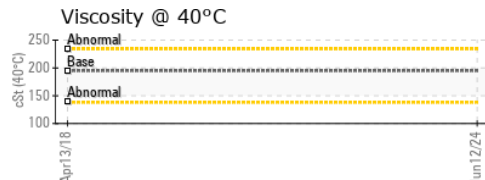
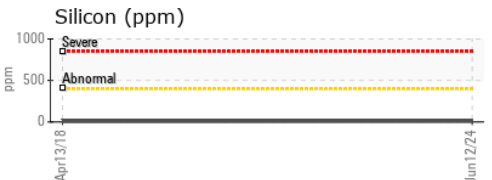
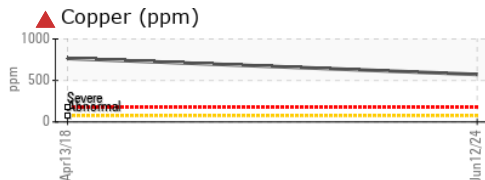
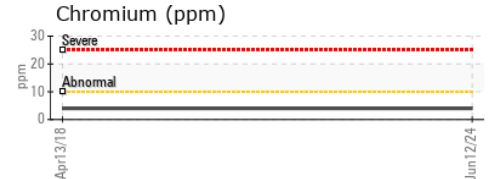
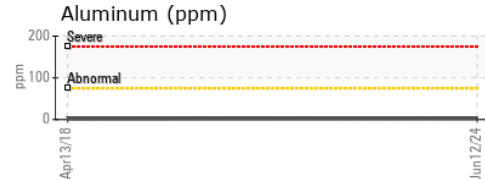
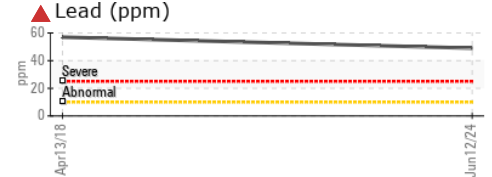
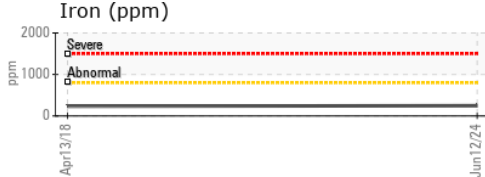


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	139	---

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.** : PCA0109701      **Received** : 14 Jun 2024  
**Lab Number** : 06210315      **Tested** : 18 Jun 2024  
**Unique Number** : 11083179      **Diagnosed** : 18 Jun 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)