



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



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

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0109703</b>	PCA13317005	---
Sample Date		Client Info		<b>12 Jun 2024</b>	13 Apr 2018	---
Machine Age	hrs	Client Info		<b>3887</b>	2167	---
Oil Age	hrs	Client Info		<b>3887</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	<b>146</b>	247	---
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	3	---
Nickel	ppm	ASTM D5185m	>5	<b>0</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>2</b>	3	---
Lead	ppm	ASTM D5185m	>10	<b>0</b>	2	---
Copper	ppm	ASTM D5185m	>75	<b>3</b>	6	---
Tin	ppm	ASTM D5185m	>8	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

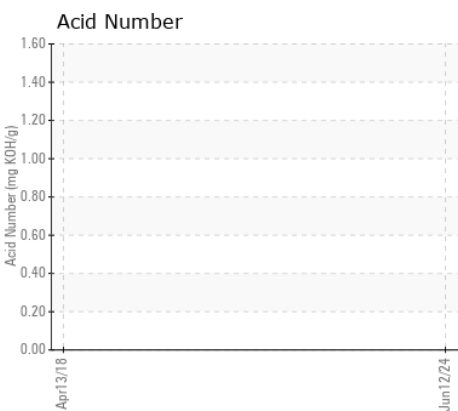
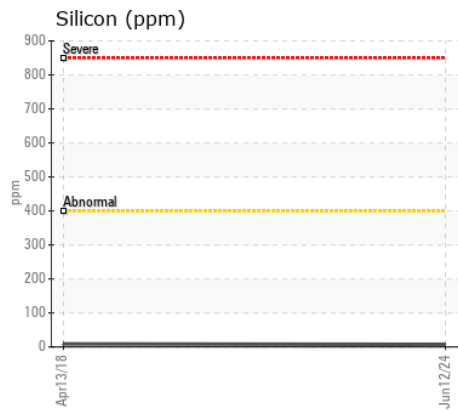
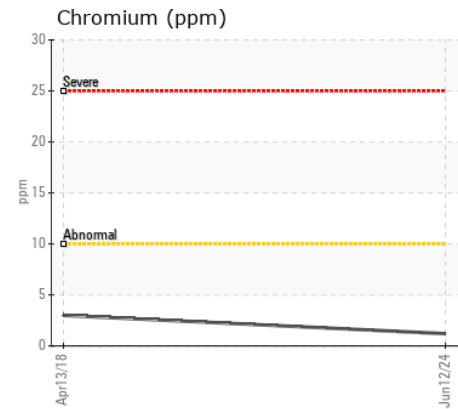
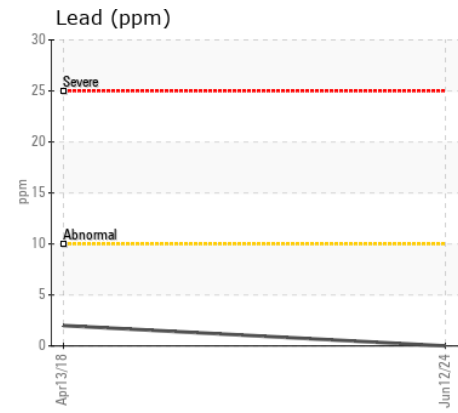
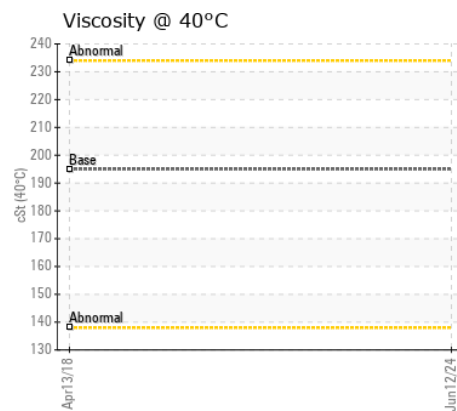
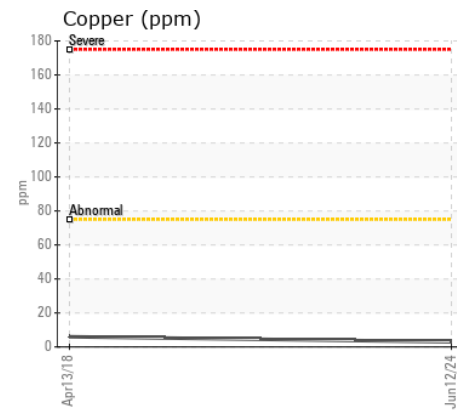
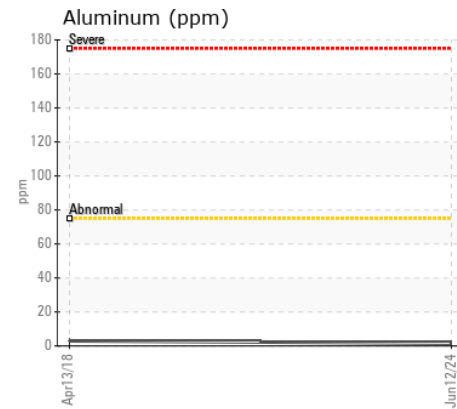
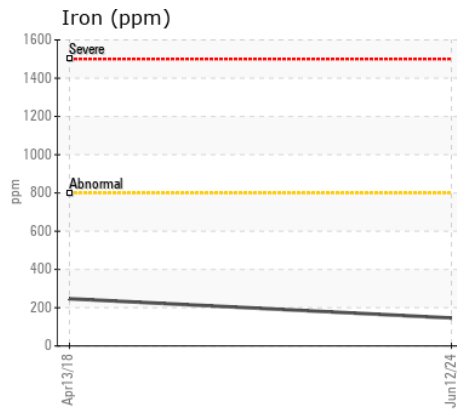
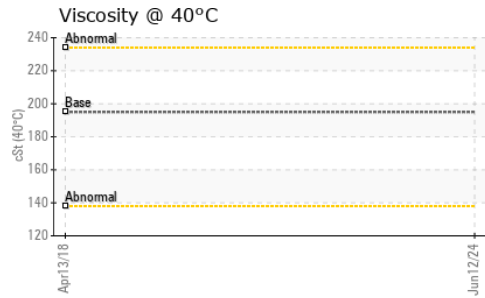
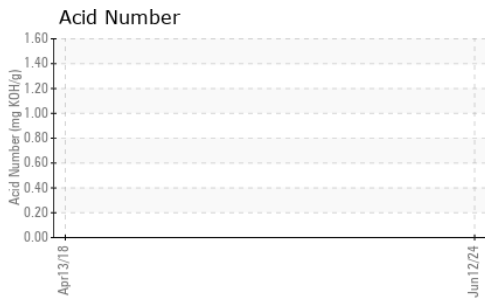
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	<b>8</b>	9	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
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	>0.2	<b>NEG</b>	---	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>8</b>	16	---
Boron	ppm	ASTM D5185m		<b>10</b>	3	---
Barium	ppm	ASTM D5185m		<b>0</b>	2	---
Molybdenum	ppm	ASTM D5185m		<b>5</b>	6	---
Manganese	ppm	ASTM D5185m		<b>2</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>28</b>	10	---
Calcium	ppm	ASTM D5185m		<b>3342</b>	2762	---
Phosphorus	ppm	ASTM D5185m		<b>1179</b>	1002	---
Zinc	ppm	ASTM D5185m		<b>1377</b>	1059	---
Sulfur	ppm	ASTM D5185m		<b>15891</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.45</b>	---	---
Visc @ 40°C	cSt	ASTM D445	195	<b>152</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : PCA0109703

**Lab Number** : 06210313

**Unique Number** : 11083177

**Test Package** : MOB 2

**Received** : 14 Jun 2024

**Tested** : 17 Jun 2024

**Diagnosed** : 17 Jun 2024 - Wes Davis

**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)