



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
G.LOPES CONSTRUCTION INC./Off-Road
Machine Id
BH42
Component
Front Differential
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		PCA0109699	PCA13317002	---
Sample Date		Client Info		12 Jun 2024	13 Apr 2018	---
Machine Age	hrs	Client Info		3887	2167	---
Oil Age	hrs	Client Info		3887	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	SEVERE	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	20	49	---
Chromium	ppm	ASTM D5185m	>3	0	0	---
Nickel	ppm	ASTM D5185m	>3	0	0	---
Titanium	ppm	ASTM D5185m	>2	<1	---	---
Silver	ppm	ASTM D5185m	>2	0	---	---
Aluminum	ppm	ASTM D5185m	>30	2	1	---
Lead	ppm	ASTM D5185m	>13	<1	4	---
Copper	ppm	ASTM D5185m	>103	21	▲ 92	---
Tin	ppm	ASTM D5185m	>5	2	8	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	LIGHT	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

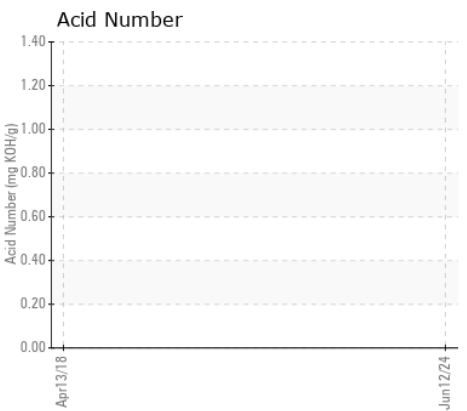
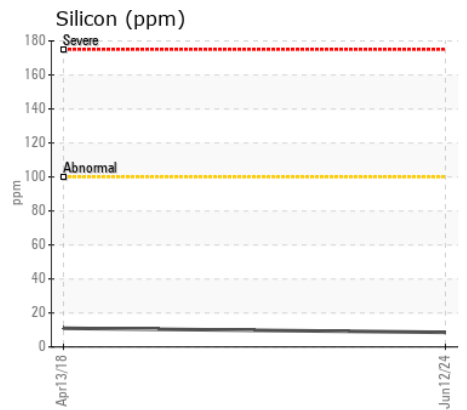
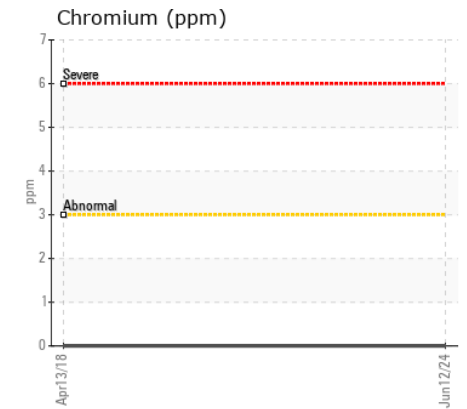
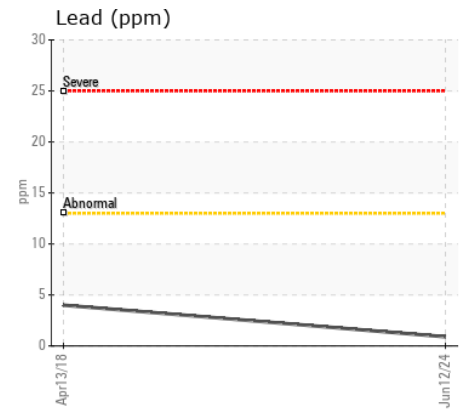
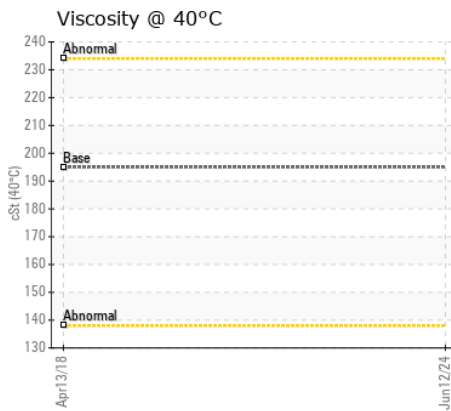
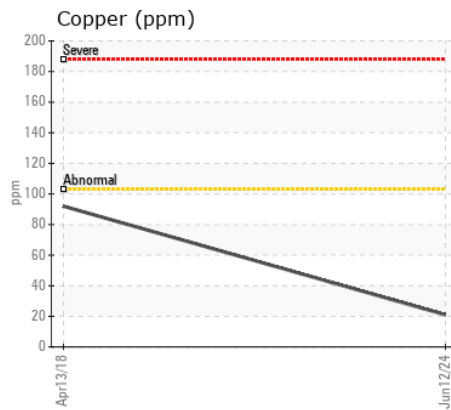
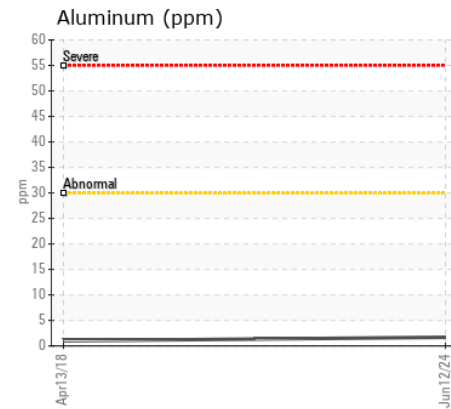
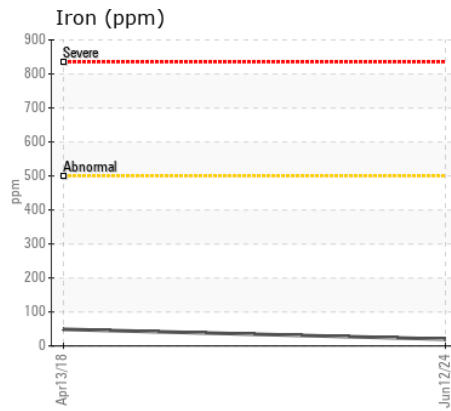
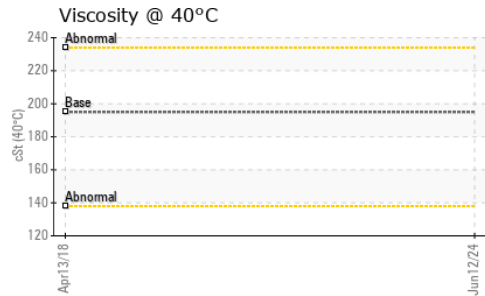
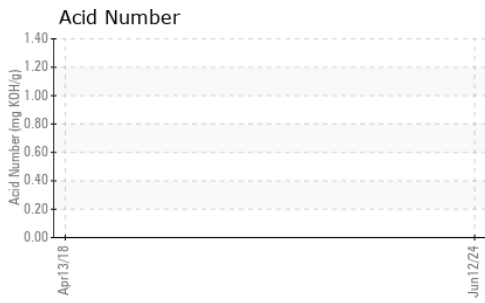
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	9	11	---
Potassium	ppm	ASTM D5185m	>20	2	4	---
Water		WC Method	>.2	NEG	NEG	---
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	---	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		5	2	---
Boron	ppm	ASTM D5185m		11	2	---
Barium	ppm	ASTM D5185m		0	3	---
Molybdenum	ppm	ASTM D5185m		3	0	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		31	7	---
Calcium	ppm	ASTM D5185m		3694	2767	---
Phosphorus	ppm	ASTM D5185m		1252	929	---
Zinc	ppm	ASTM D5185m		1507	1032	---
Sulfur	ppm	ASTM D5185m		16063	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.40	---	---
Visc @ 40°C	cSt	ASTM D445	195	154	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0109699 **Received** : 14 Jun 2024
Lab Number : 06210316 **Tested** : 18 Jun 2024
Unique Number : 11083180 **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)

T:
F: