



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
G.LOPES CONSTRUCTION INC./Off-Road
Machine Id
L67
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		PCA0122908	PCA11348010	PCA82420028
Sample Date		Client Info		24 Jun 2024	24 Oct 2019	21 Sep 2018
Machine Age	hrs	Client Info		30168	25167	23198
Oil Age	hrs	Client Info		15409	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	SEVERE	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	453	▲ 357	▲ 960
Chromium	ppm	ASTM D5185m	>3	<1	1	1
Nickel	ppm	ASTM D5185m	>3	<1	1	0
Titanium	ppm	ASTM D5185m	>2	<1	---	---
Silver	ppm	ASTM D5185m	>2	0	---	---
Aluminum	ppm	ASTM D5185m	>30	3	4	4
Lead	ppm	ASTM D5185m	>13	0	0	0
Copper	ppm	ASTM D5185m	>103	17	9	39
Tin	ppm	ASTM D5185m	>5	0	1	0
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

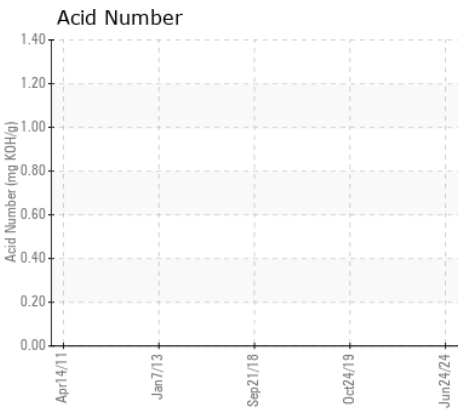
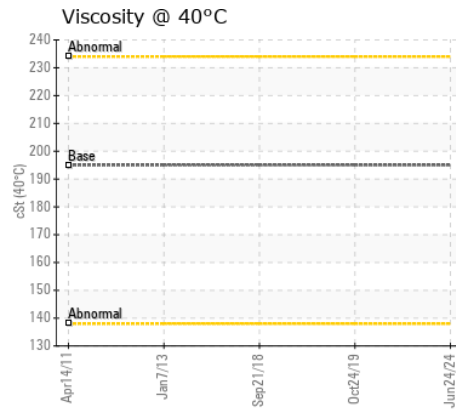
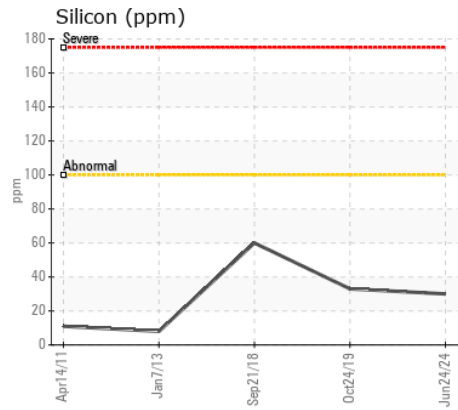
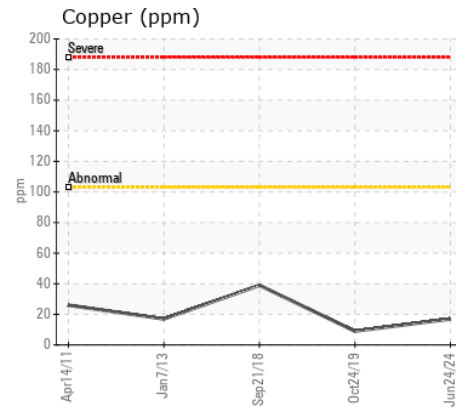
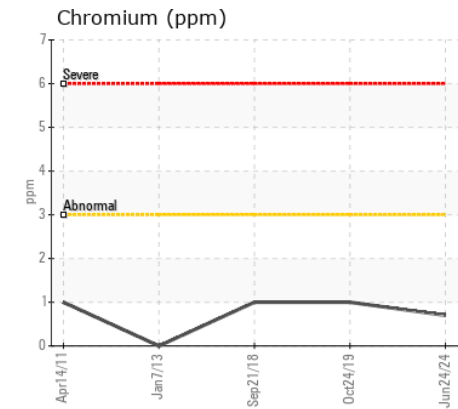
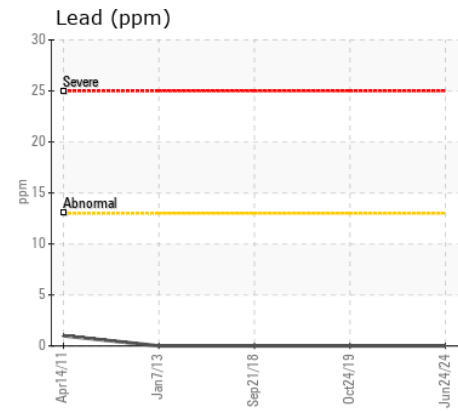
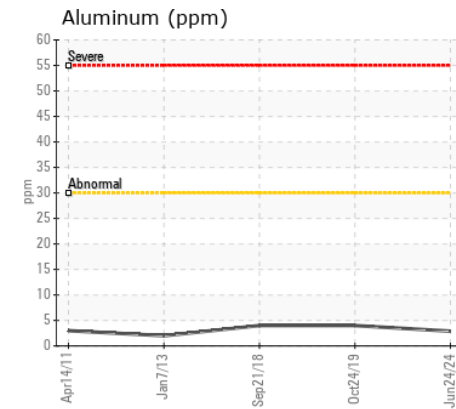
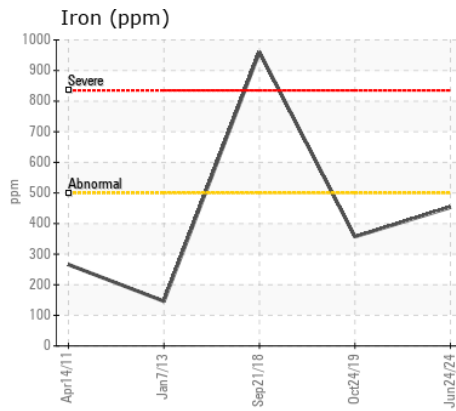
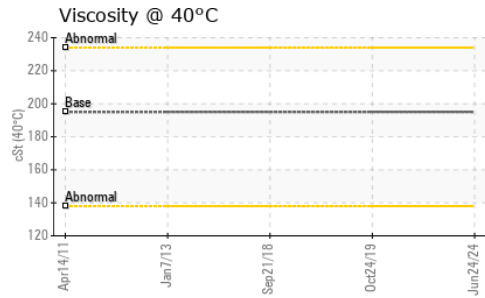
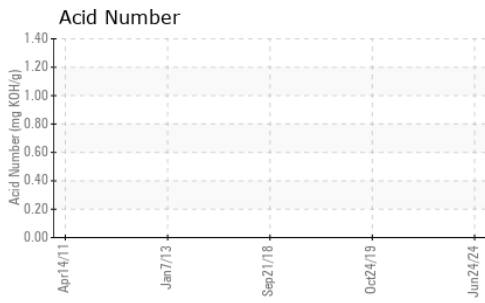
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	30	▲ 33	▲ 60
Potassium	ppm	ASTM D5185m	>20	3	1	1
Water		WC Method	>.2	NEG	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 suitable for further service.

Sodium	ppm	ASTM D5185m		<1	3	6
Boron	ppm	ASTM D5185m		8	8	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		4	5	0
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		39	39	11
Calcium	ppm	ASTM D5185m		3021	2605	3147
Phosphorus	ppm	ASTM D5185m		954	946	1172
Zinc	ppm	ASTM D5185m		1319	1013	1228
Sulfur	ppm	ASTM D5185m		10505	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.33	---	---
Visc @ 40°C	cSt	ASTM D445	195	179	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0122908 **Received** : 26 Jun 2024
Lab Number : 06221395 **Tested** : 27 Jun 2024
Unique Number : 11099592 **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
 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)