



WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
G.LOPES CONSTRUCTION INC./Off-Road
Machine Id
D870
Component
Transmission
Fluid
MOBIL MOBILTRANS HD 30 (--- GAL)

RECOMMENDATION

We recommend that you drain the fluid from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0122716	PCA44186017	PCA19345043
Sample Date		Client Info		02 Jul 2024	05 Feb 2018	25 Nov 2014
Machine Age	hrs	Client Info		21293	4922	2134
Oil Age	hrs	Client Info		10275	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				SEVERE	SEVERE	SEVERE

WEAR

The copper level is severe. Clutch and/or bushing/bearing wear is indicated.

Iron	ppm	ASTM D5185m	>200	123	96	100
Chromium	ppm	ASTM D5185m	>10	1	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>50	5	7	11
Lead	ppm	ASTM D5185m	>50	5	0	0
Copper	ppm	ASTM D5185m	>200	▲ 1003	▲ 256	36
Tin	ppm	ASTM D5185m	>10	4	0	0
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

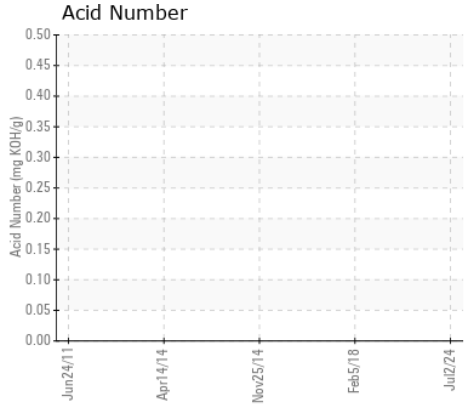
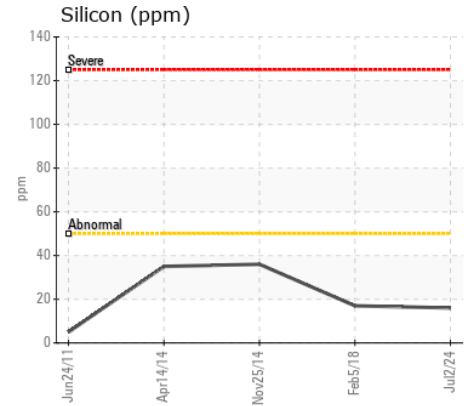
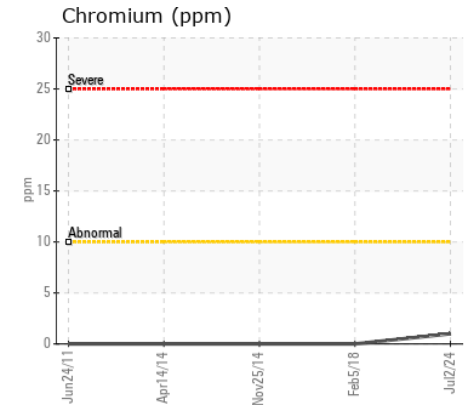
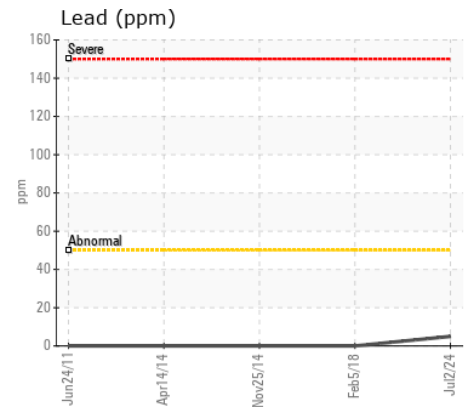
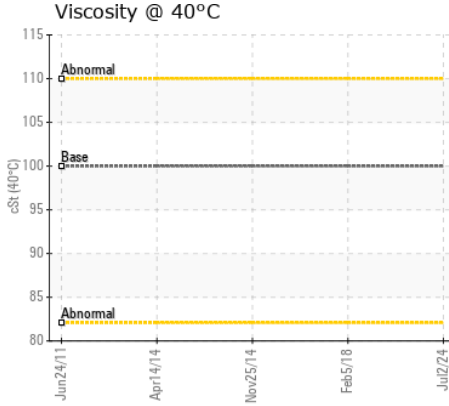
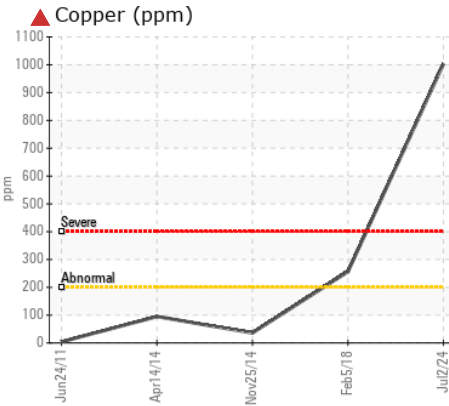
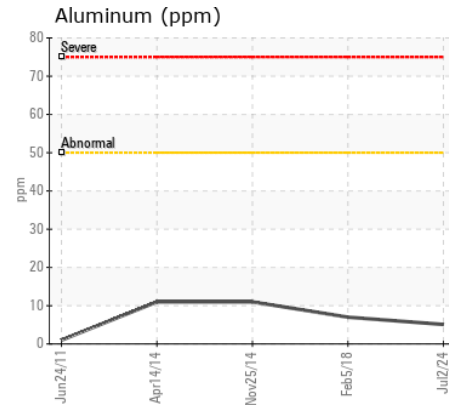
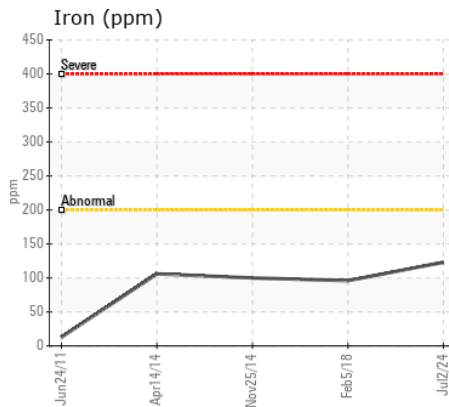
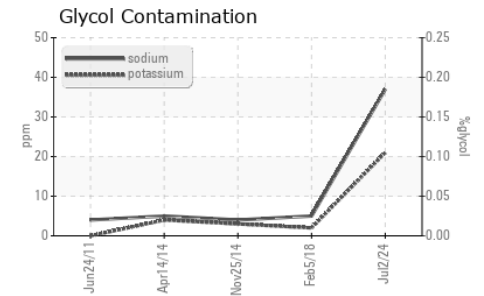
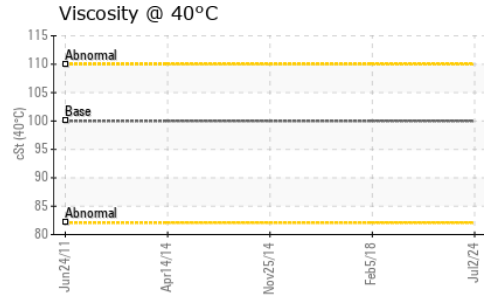
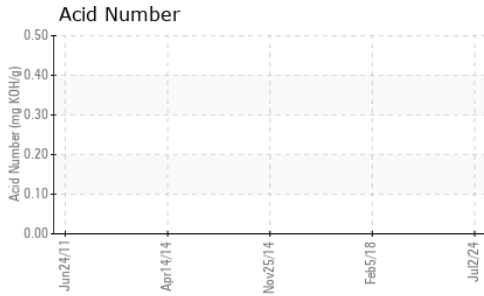
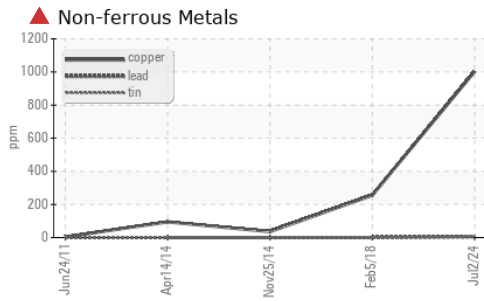
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>50	16	▲ 17	▲ 36
Potassium	ppm	ASTM D5185m	>20	21	2	3
Water		WC Method	>0.1	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	>0.1	NEG	---	---

FLUID CONDITION

The AN level is acceptable for this fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		37	5	4
Boron	ppm	ASTM D5185m		6	4	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		5	2	4
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		21	22	32
Calcium	ppm	ASTM D5185m		2255	2555	2677
Phosphorus	ppm	ASTM D5185m		827	1060	950
Zinc	ppm	ASTM D5185m		1024	915	1084
Sulfur	ppm	ASTM D5185m		3975	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.45	---	---
Visc @ 40°C	cSt	ASTM D445	100	83.6	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0122716 **Received** : 08 Jul 2024
Lab Number : 06230323 **Tested** : 10 Jul 2024
Unique Number : 11113816 **Diagnosed** : 10 Jul 2024 - Don Baldrige
Test Package : MOB 2 (Additional Tests: Glycol)

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)

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