



WEAR

SEVERE

CONTAMINATION

NORMAL

FLUID CONDITION

NORMAL



Area
G.LOPES CONSTRUCTION INC./Off-Road

Machine Id

BH42

Component

Front Right Final Drive

Fluid

MOBIL MOBILTRANS HD 50 (--- GAL)

RECOMMENDATION

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		PCA0109702	PCA13317001	---
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				SEVERE	SEVERE	---

WEAR

Bearing and/or bushing wear is indicated.

Iron	ppm	ASTM D5185m	>800	184	290	---
Chromium	ppm	ASTM D5185m	>10	3	5	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m	>15	<1	---	---
Silver	ppm	ASTM D5185m	>2	0	---	---
Aluminum	ppm	ASTM D5185m	>75	3	2	---
Lead	ppm	ASTM D5185m	>10	▲ 33	45	---
Copper	ppm	ASTM D5185m	>75	▲ 393	▲ 642	---
Tin	ppm	ASTM D5185m	>8	▲ 33	64	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

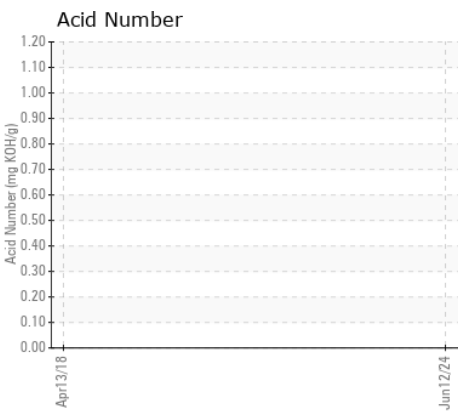
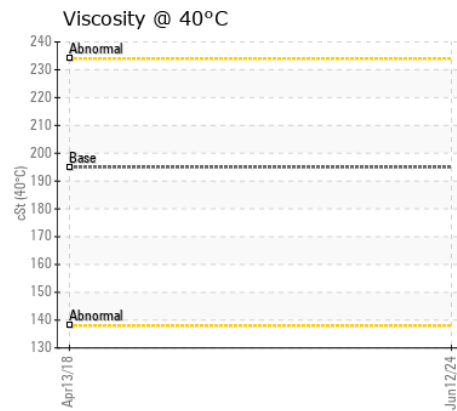
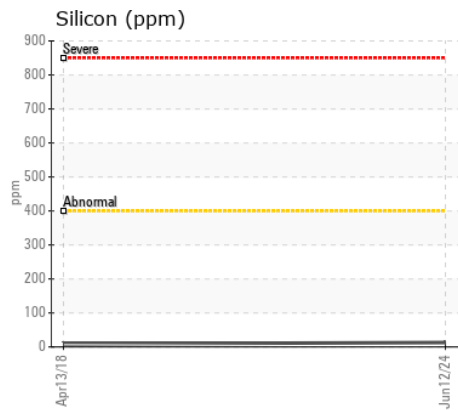
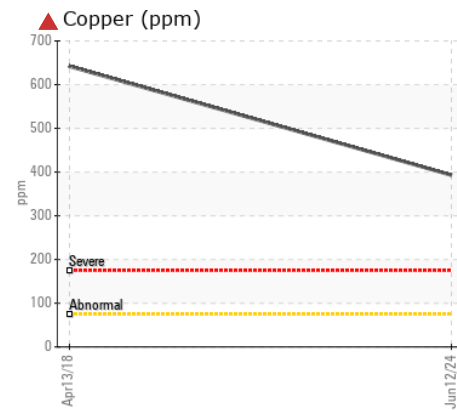
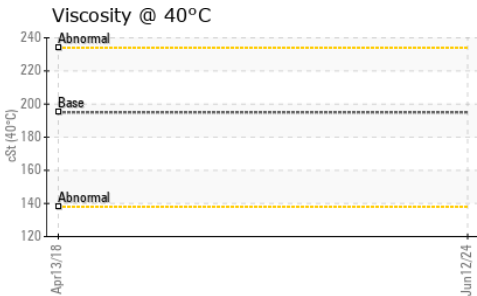
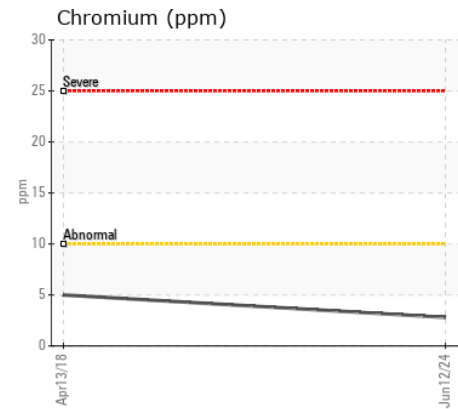
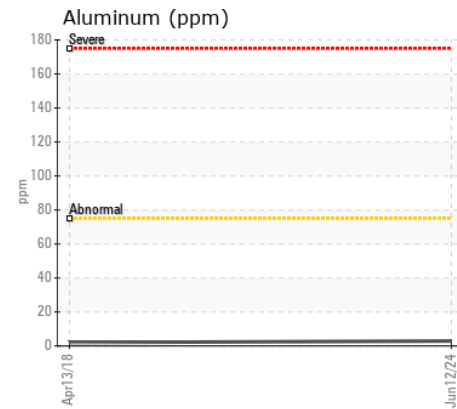
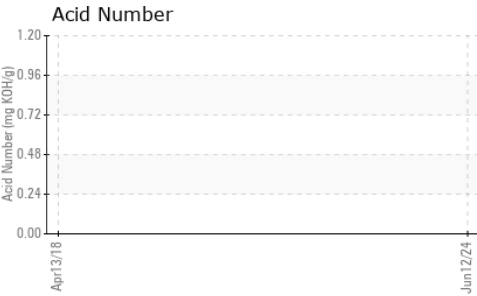
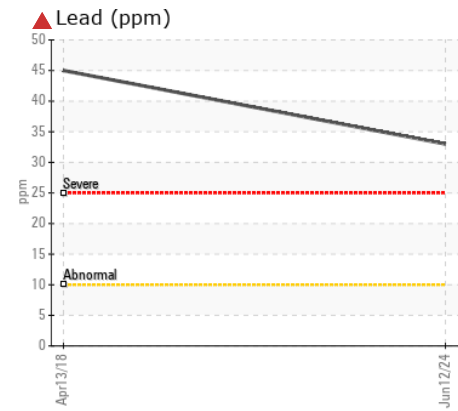
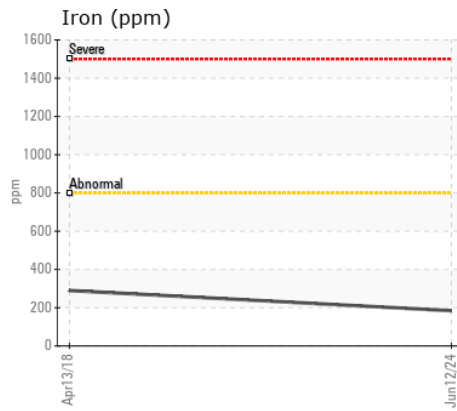
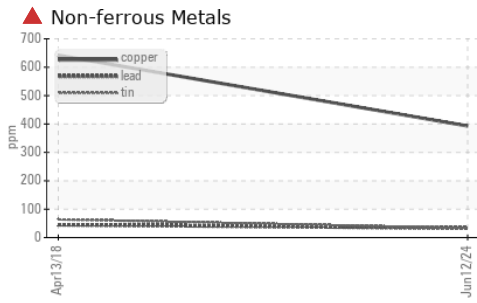
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	13	9	---
Potassium	ppm	ASTM D5185m	>20	6	14	---
Water		WC Method	>0.2	NEG	NEG	---
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	---	---

FLUID CONDITION

The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		8	12	---
Boron	ppm	ASTM D5185m		11	5	---
Barium	ppm	ASTM D5185m		0	9	---
Molybdenum	ppm	ASTM D5185m		6	9	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		27	7	---
Calcium	ppm	ASTM D5185m		3649	2754	---
Phosphorus	ppm	ASTM D5185m		1215	805	---
Zinc	ppm	ASTM D5185m		1400	840	---
Sulfur	ppm	ASTM D5185m		15224	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.10	---	---
Visc @ 40°C	cSt	ASTM D445	195	139	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0109702 **Received** : 14 Jun 2024
Lab Number : 06210317 **Tested** : 18 Jun 2024
Unique Number : 11083181 **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: