



WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL



Area
G.LOPES CONSTRUCTION INC./Off-Road
Machine Id
D870
Component
Front Right 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		PCA0122723	PCA44186001	---
Sample Date		Client Info		02 Jul 2024	05 Feb 2018	---
Machine Age	hrs	Client Info		21293	4922	---
Oil Age	hrs	Client Info		21293	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				MARGINAL	SEVERE	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	341	114	---
Chromium	ppm	ASTM D5185m	>10	4	0	---
Nickel	ppm	ASTM D5185m	>5	1	0	---
Titanium	ppm	ASTM D5185m	>15	2	---	---
Silver	ppm	ASTM D5185m	>2	<1	---	---
Aluminum	ppm	ASTM D5185m	>75	11	8	---
Lead	ppm	ASTM D5185m	>10	<1	0	---
Copper	ppm	ASTM D5185m	>75	10	1	---
Tin	ppm	ASTM D5185m	>8	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

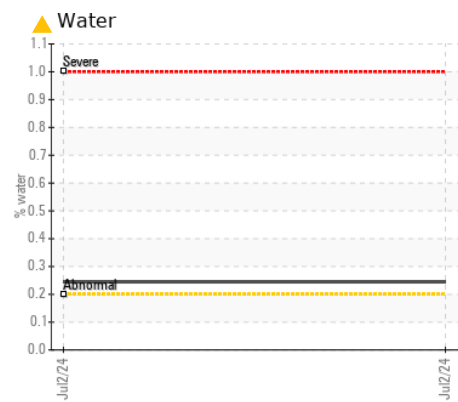
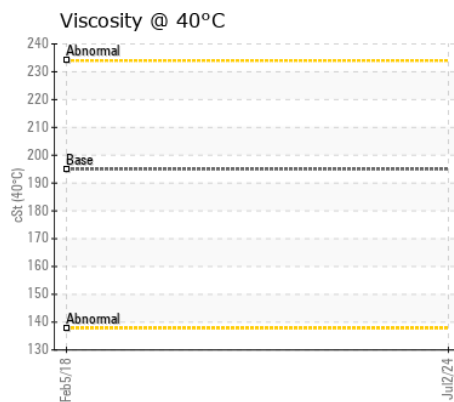
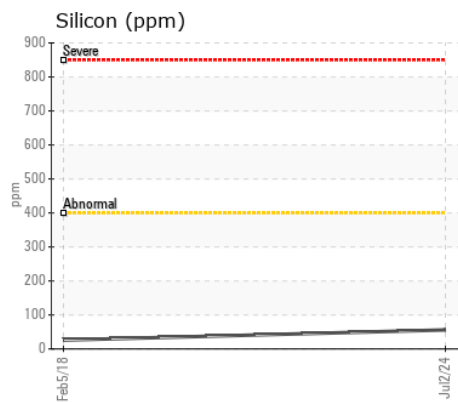
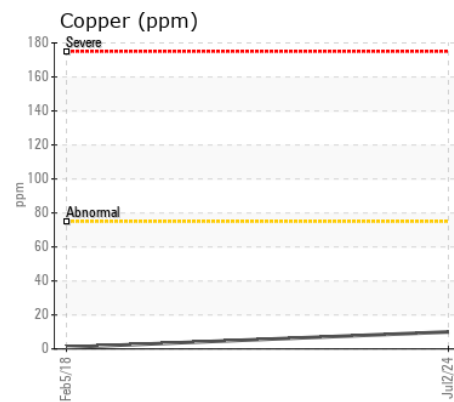
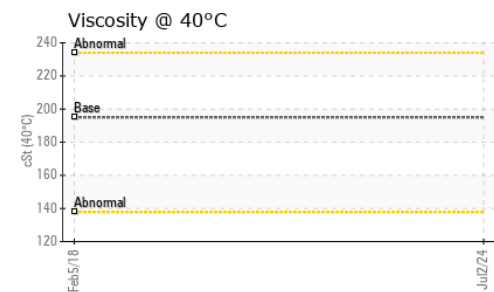
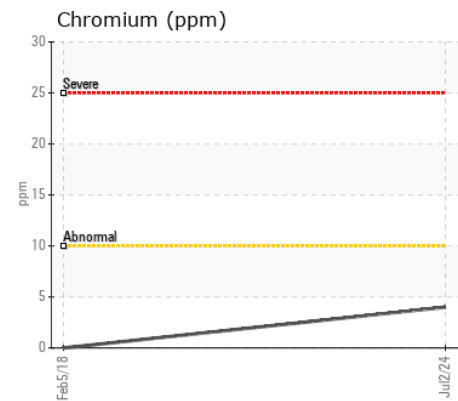
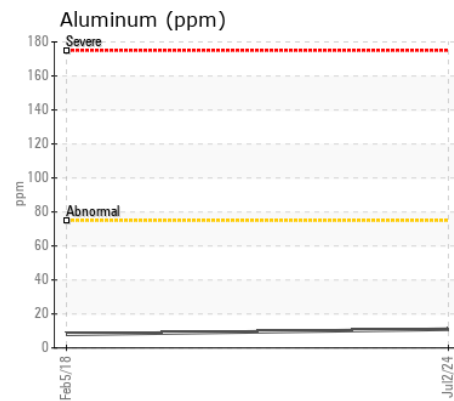
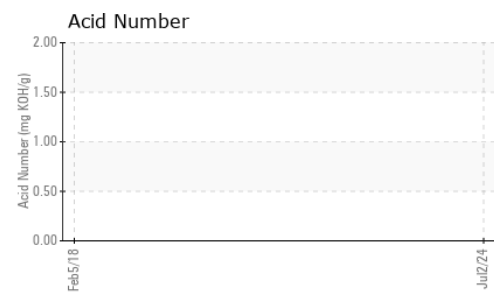
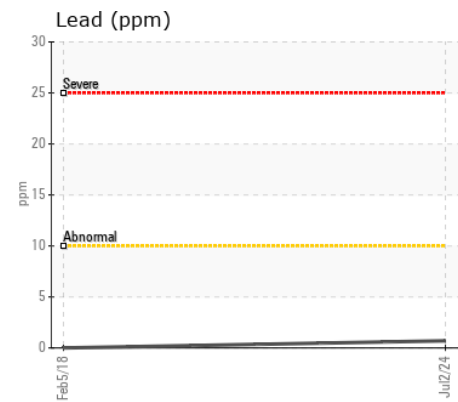
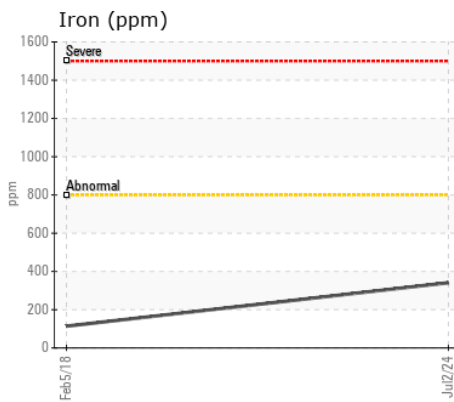
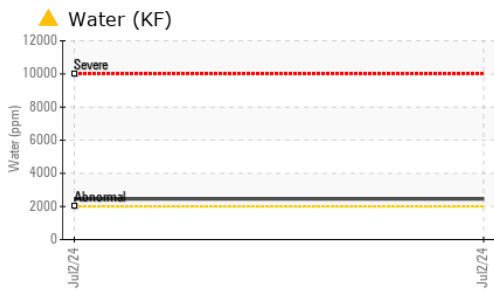
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>400	56	▲ 26	---
Potassium	ppm	ASTM D5185m	>20	6	2	---
Water	%	ASTM D6304	>0.2	▲ 0.245	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 2450	---	---
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	>0.2	0.2%	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	5	---
Boron	ppm	ASTM D5185m		12	8	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		6	2	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m		35	19	---
Calcium	ppm	ASTM D5185m		2976	2221	---
Phosphorus	ppm	ASTM D5185m		1045	917	---
Zinc	ppm	ASTM D5185m		1285	854	---
Sulfur	ppm	ASTM D5185m		10121	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.89	---	---
Visc @ 40°C	cSt	ASTM D445	195	157	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0122723 **Received** : 08 Jul 2024
Lab Number : 06230319 **Tested** : 09 Jul 2024
Unique Number : 11113812 **Diagnosed** : 10 Jul 2024 - Don Baldridge
Test Package : MOB 2 (Additional Tests: KF)

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: