

OIL ANALYSIS REPORT



Area
G.LOPES CONSTRUCTION INC./Off-Road
 Machine Id
L636
 Component
Front Differential
 Fluid
{not provided} (--- GAL)

Sample Rating Trend



WATER



DIAGNOSIS

Recommendation
 We advise that you check for the source of water entry. Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

Contamination
 There is a moderate concentration of water present in the oil.

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0109939	---	---
Sample Date	Client Info	22 Mar 2024	---	---
Machine Age	hrs Client Info	11576	---	---
Oil Age	hrs Client Info	11576	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>500	257	---	---
Chromium ppm ASTM D5185m	>3	<1	---	---
Nickel ppm ASTM D5185m	>3	1	---	---
Titanium ppm ASTM D5185m	>2	<1	---	---
Silver ppm ASTM D5185m	>2	<1	---	---
Aluminum ppm ASTM D5185m	>30	2	---	---
Lead ppm ASTM D5185m	>13	2	---	---
Copper ppm ASTM D5185m	>103	19	---	---
Tin ppm ASTM D5185m	>5	2	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		5	---	---
Barium ppm ASTM D5185m		0	---	---
Molybdenum ppm ASTM D5185m		5	---	---
Manganese ppm ASTM D5185m		2	---	---
Magnesium ppm ASTM D5185m		70	---	---
Calcium ppm ASTM D5185m		2558	---	---
Phosphorus ppm ASTM D5185m		1363	---	---
Zinc ppm ASTM D5185m		1300	---	---
Sulfur ppm ASTM D5185m		14120	---	---

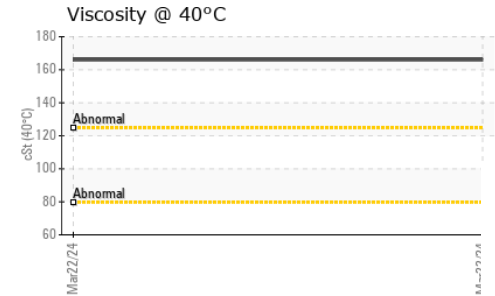
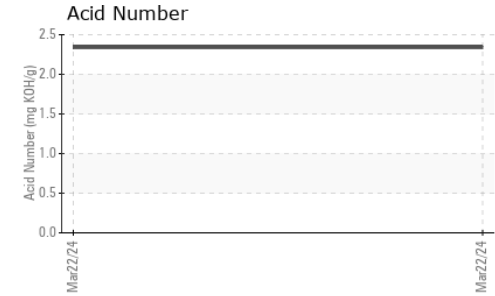
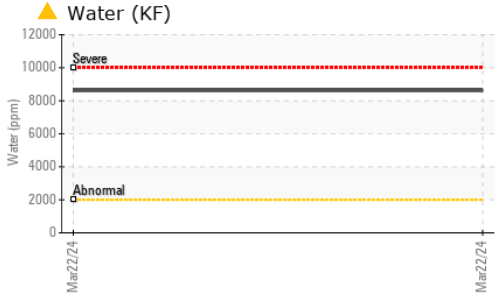
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>100	13	---	---
Sodium ppm ASTM D5185m		4	---	---
Potassium ppm ASTM D5185m	>20	4	---	---
Water % ASTM D6304	>.2	▲ 0.862	---	---
ppm Water ppm ASTM D6304	>2000	▲ 8620	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		2.34	---	---

OIL ANALYSIS REPORT

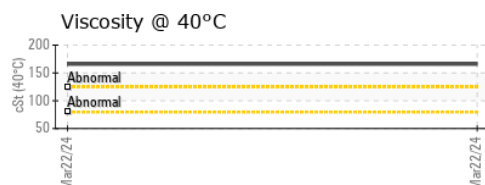
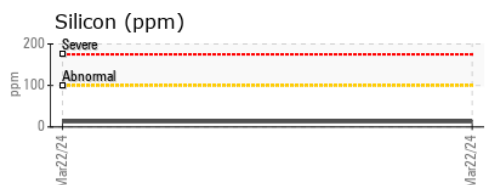
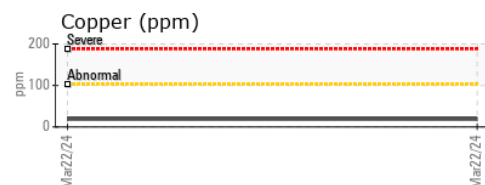
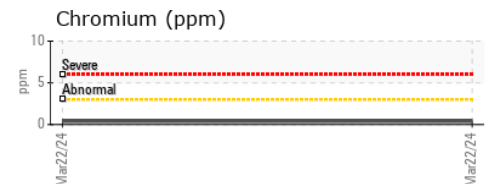
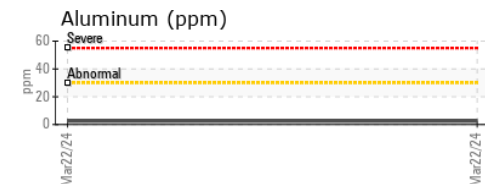
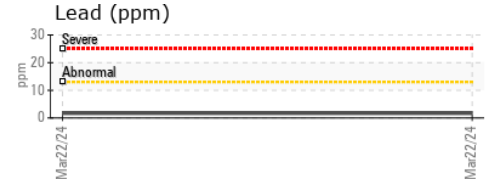
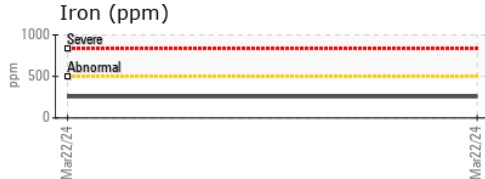


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	MODER	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	0.2%	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	166	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0109939 **Received** : 26 Mar 2024
Lab Number : 06129525 **Tested** : 27 Mar 2024
Unique Number : 10943676 **Diagnosed** : 29 Mar 2024 - Don Baldrige
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: