

OIL ANALYSIS REPORT



Area
G.LOPES CONSTRUCTION INC./Off-Road
 Machine Id
L00
 Component
Rear Right Planetary
 Fluid
{not provided} (--- GAL)

Sample Rating Trend



WATER



DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

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

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0122677	---	---
Sample Date	Client Info		17 Apr 2024	---	---
Machine Age	hrs Client Info		34603	---	---
Oil Age	hrs Client Info		34603	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			MARGINAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>500	105	---	---
Chromium	ppm ASTM D5185m	>10	<1	---	---
Nickel	ppm ASTM D5185m	>10	0	---	---
Titanium	ppm ASTM D5185m		<1	---	---
Silver	ppm ASTM D5185m		0	---	---
Aluminum	ppm ASTM D5185m	>25	6	---	---
Lead	ppm ASTM D5185m	>25	2	---	---
Copper	ppm ASTM D5185m	>75	44	---	---
Tin	ppm ASTM D5185m	>10	1	---	---
Vanadium	ppm ASTM D5185m		<1	---	---
Cadmium	ppm ASTM D5185m		0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		0	---	---
Barium	ppm ASTM D5185m		0	---	---
Molybdenum	ppm ASTM D5185m		5	---	---
Manganese	ppm ASTM D5185m		1	---	---
Magnesium	ppm ASTM D5185m		29	---	---
Calcium	ppm ASTM D5185m		3084	---	---
Phosphorus	ppm ASTM D5185m		956	---	---
Zinc	ppm ASTM D5185m		1086	---	---
Sulfur	ppm ASTM D5185m		7726	---	---

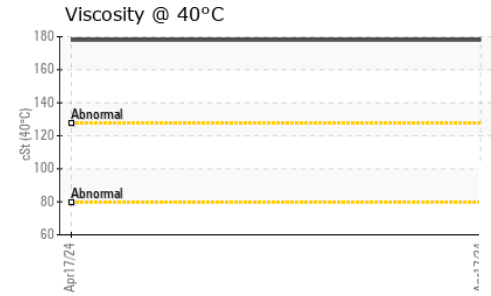
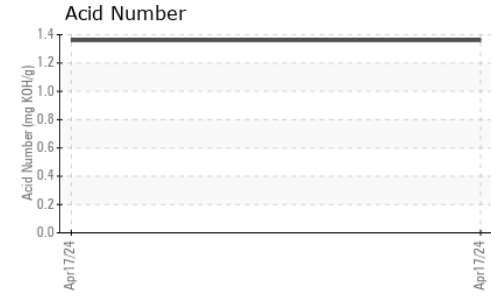
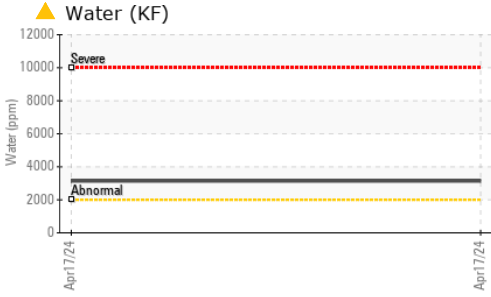
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>75	17	---	---
Sodium	ppm ASTM D5185m		3	---	---
Potassium	ppm ASTM D5185m	>20	0	---	---
Water	% ASTM D6304	>0.2	▲ 0.314	---	---
ppm Water	ppm ASTM D6304	>2000	▲ 3140	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		1.36	---	---

OIL ANALYSIS REPORT



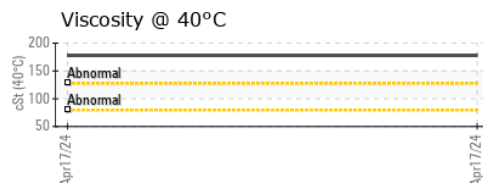
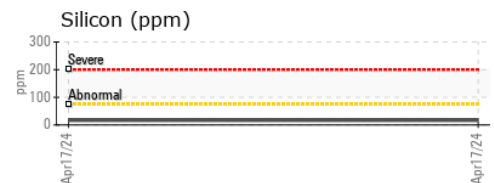
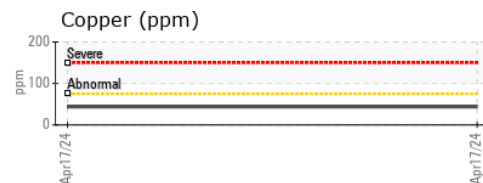
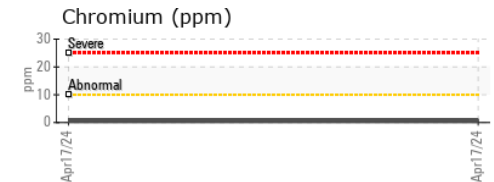
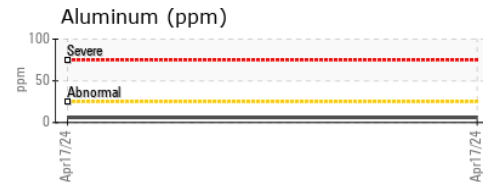
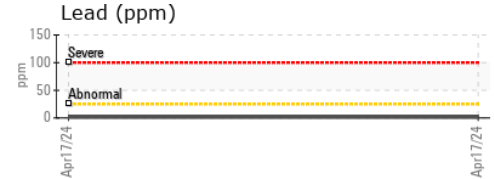
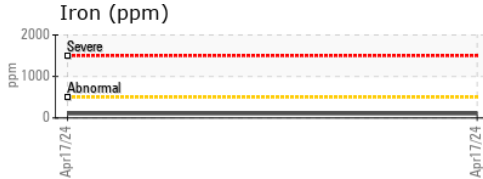
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	178	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0122677 **Received** : 19 Apr 2024
Lab Number : 06154612 **Tested** : 23 Apr 2024
Unique Number : 10990035 **Diagnosed** : 23 Apr 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)