

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
G.LOPES CONSTRUCTION INC./OFF-ROAD
Machine Id
E-104
Component
Right Final Drive
Fluid
{not provided} (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination 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		PCA0018790	---	---
Sample Date	Client Info		07 Feb 2024	---	---
Machine Age	hrs	Client Info	9403	---	---
Oil Age	hrs	Client Info	9403	---	---
Oil Changed		Client Info	N/A	---	---
Sample Status			NORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	752	---	---
Chromium	ppm	ASTM D5185m >10	3	---	---
Nickel	ppm	ASTM D5185m >5	0	---	---
Titanium	ppm	ASTM D5185m >15	3	---	---
Silver	ppm	ASTM D5185m >2	0	---	---
Aluminum	ppm	ASTM D5185m >75	31	---	---
Lead	ppm	ASTM D5185m >10	2	---	---
Copper	ppm	ASTM D5185m >75	10	---	---
Tin	ppm	ASTM D5185m >8	<1	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<1	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	6	---	---
Magnesium	ppm	ASTM D5185m	19	---	---
Calcium	ppm	ASTM D5185m	3801	---	---
Phosphorus	ppm	ASTM D5185m	976	---	---
Zinc	ppm	ASTM D5185m	1202	---	---
Sulfur	ppm	ASTM D5185m	4996	---	---

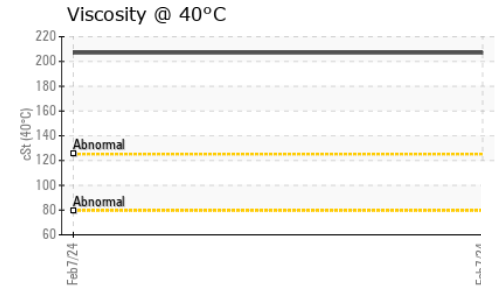
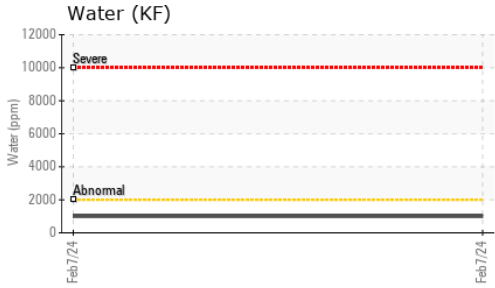
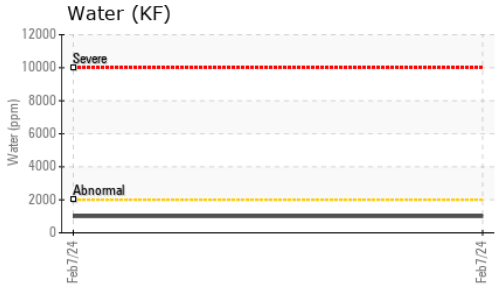
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	164	---	---
Sodium	ppm	ASTM D5185m	10	---	---
Potassium	ppm	ASTM D5185m >20	12	---	---
Water	%	ASTM D6304 >0.2	0.100	---	---
ppm Water	ppm	ASTM D6304 >2000	1000	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.77	---	---

OIL ANALYSIS REPORT



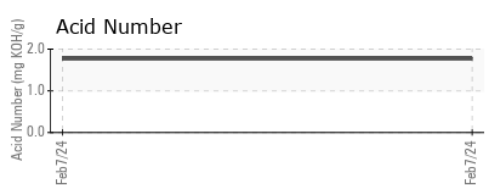
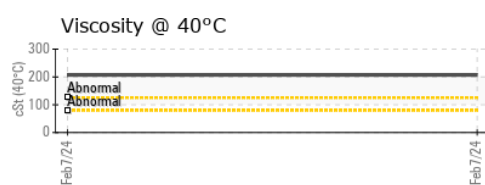
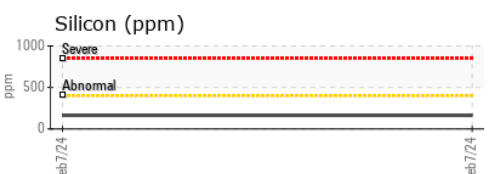
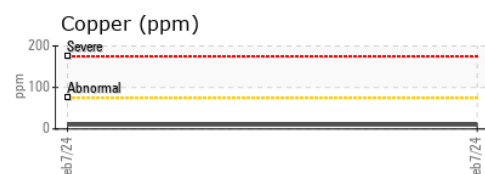
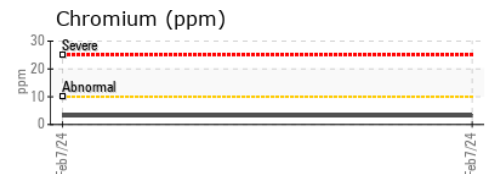
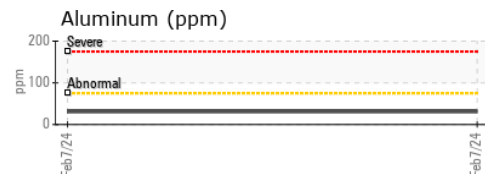
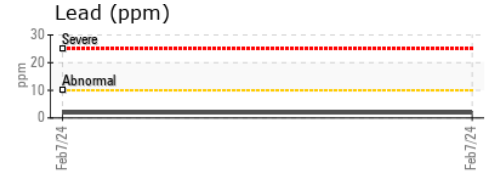
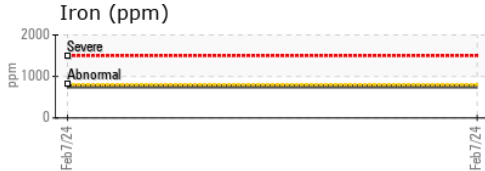
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	LIGHT	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
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	207	---	---

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



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0018790 **Received** : 09 Feb 2024
Lab Number : 06084938 **Tested** : 12 Feb 2024
Unique Number : 10872383 **Diagnosed** : 12 Feb 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: