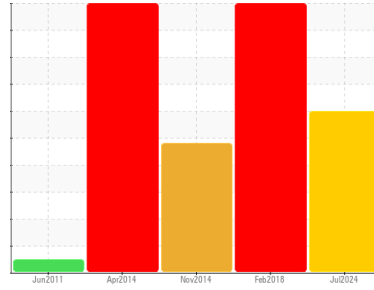


OIL ANALYSIS REPORT



Area
G.LOPES CONSTRUCTION INC./Off-Road
 Machine Id
D870
 Component
Transmission
 Fluid
MOBIL MOBILTRANS HD 30 (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

We recommend that you drain the fluid from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

The copper level is severe. Clutch and/or bushing/bearing wear is indicated.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The AN level is acceptable for this fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0122716	PCA44186017	PCA19345043
Sample Date	Client Info	02 Jul 2024	05 Feb 2018	25 Nov 2014
Machine Age	hrs	21293	4922	2134
Oil Age	hrs	10275	---	---
Oil Changed	Client Info	N/A	N/A	Changed
Sample Status		SEVERE	SEVERE	SEVERE

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	123	96	100
Chromium	ppm ASTM D5185m >10	1	0	0
Nickel	ppm ASTM D5185m	<1	0	0
Titanium	ppm ASTM D5185m	1	---	---
Silver	ppm ASTM D5185m	<1	---	---
Aluminum	ppm ASTM D5185m >50	5	7	11
Lead	ppm ASTM D5185m >50	5	0	0
Copper	ppm ASTM D5185m >200	▲ 1003	▲ 256	36
Tin	ppm ASTM D5185m >10	4	0	0
Vanadium	ppm ASTM D5185m	<1	---	---
Cadmium	ppm ASTM D5185m	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	6	4	3
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	5	2	4
Manganese	ppm ASTM D5185m	2	---	---
Magnesium	ppm ASTM D5185m	21	22	32
Calcium	ppm ASTM D5185m	2255	2555	2677
Phosphorus	ppm ASTM D5185m	827	1060	950
Zinc	ppm ASTM D5185m	1024	915	1084
Sulfur	ppm ASTM D5185m	3975	---	---

CONTAMINANTS

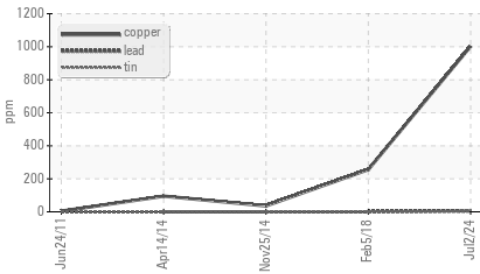
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	16	▲ 17	▲ 36
Sodium	ppm ASTM D5185m	37	5	4
Potassium	ppm ASTM D5185m >20	21	2	3

FLUID DEGRADATION

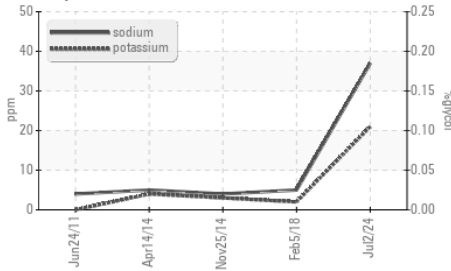
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.45	---	---

OIL ANALYSIS REPORT

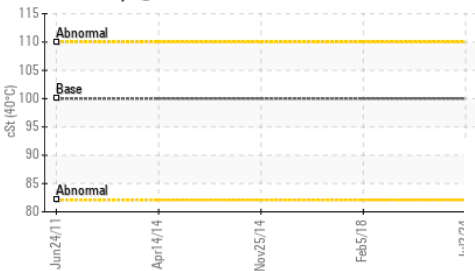
▲ Non-ferrous Metals



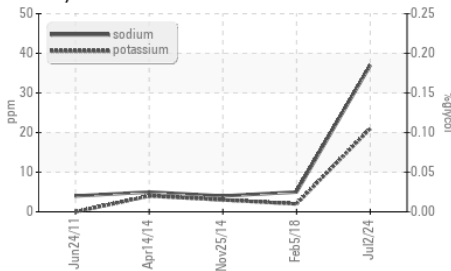
Glycol Contamination



Viscosity @ 40°C



Glycol Contamination



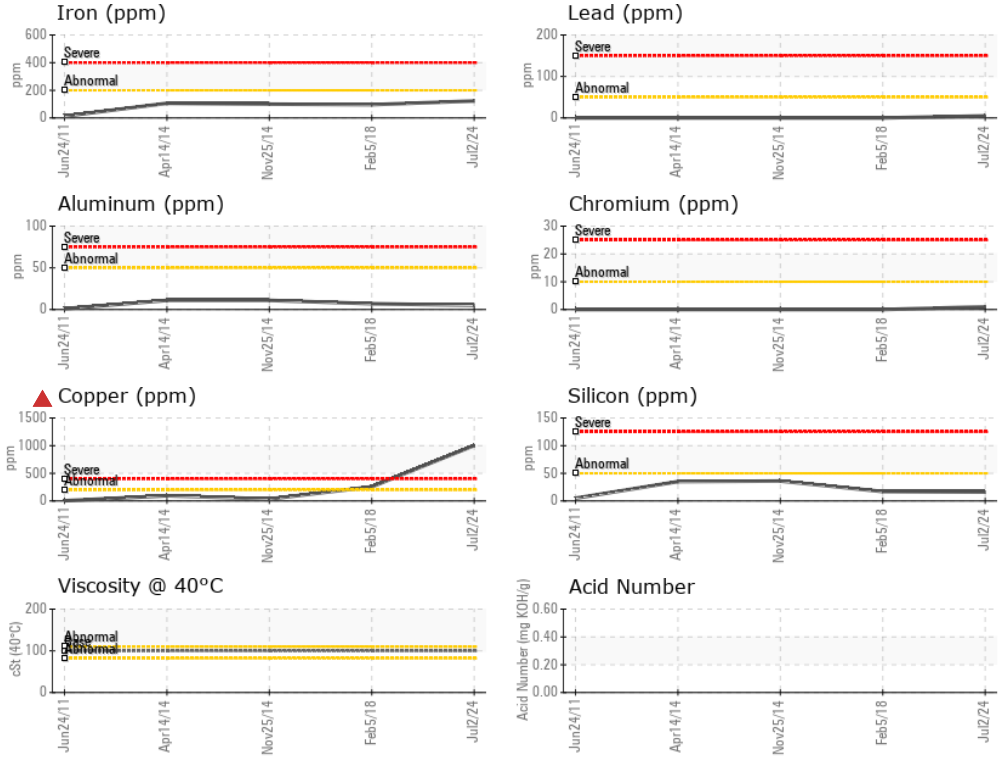
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 100	83.6	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0122716 **Received** : 08 Jul 2024
Lab Number : 06230323 **Tested** : 10 Jul 2024
Unique Number : 11113816 **Diagnosed** : 10 Jul 2024 - Don Baldrige
Test Package : MOB 2 (Additional Tests: Glycol)

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)