

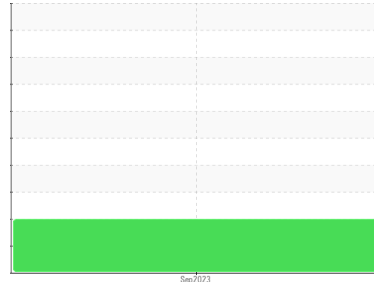
OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Area
G.LOPES CONSTRUCTION INC./OFF-ROAD
Machine Id
L-96
Component
Front Differential
Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)



DIAGNOSIS

- Recommendation**
No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
All component wear rates are normal.
- Contamination**
There is no indication of any contamination in the oil.
- Fluid Condition**
The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0104697	---	---
Sample Date	Client Info	05 Sep 2023	---	---
Machine Age	hrs Client Info	5682	---	---
Oil Age	hrs Client Info	5682	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>500	390	---	---
Chromium ppm ASTM D5185m	>3	2	---	---
Nickel ppm ASTM D5185m	>3	<1	---	---
Titanium ppm ASTM D5185m	>2	<1	---	---
Silver ppm ASTM D5185m	>2	0	---	---
Aluminum ppm ASTM D5185m	>30	6	---	---
Lead ppm ASTM D5185m	>13	<1	---	---
Copper ppm ASTM D5185m	>103	33	---	---
Tin ppm ASTM D5185m	>5	0	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	243	▲ 0	---	---
Barium ppm ASTM D5185m	1	3	---	---
Molybdenum ppm ASTM D5185m		0	---	---
Manganese ppm ASTM D5185m		4	---	---
Magnesium ppm ASTM D5185m	2	10	---	---
Calcium ppm ASTM D5185m	6	▲ 3008	---	---
Phosphorus ppm ASTM D5185m	987	1068	---	---
Zinc ppm ASTM D5185m	1	▲ 1276	---	---
Sulfur ppm ASTM D5185m	21530	▲ 6055	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>100	8	---	---
Sodium ppm ASTM D5185m		<1	---	---
Potassium ppm ASTM D5185m	>20	1	---	---

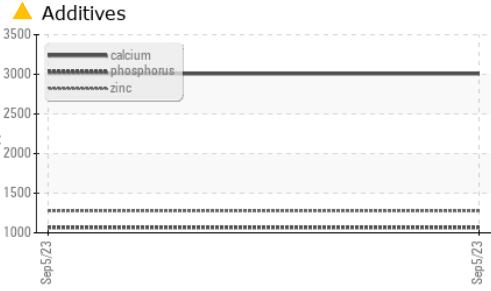
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	1.9	1.36	---	---

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	>.2	NEG	---	---
Free Water scalar *Visual		NEG	---	---

OIL ANALYSIS REPORT

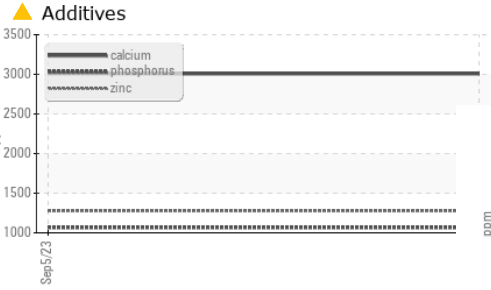


FLUID PROPERTIES

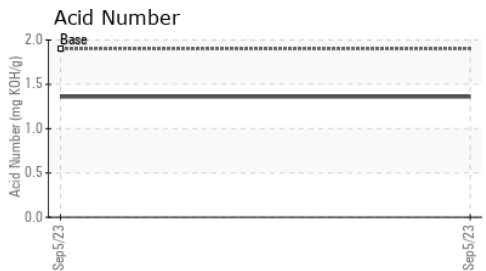
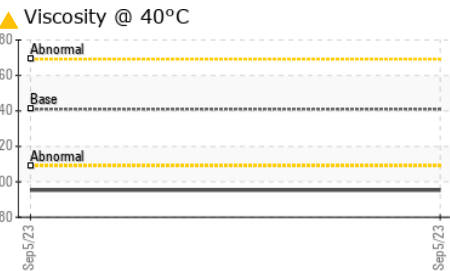
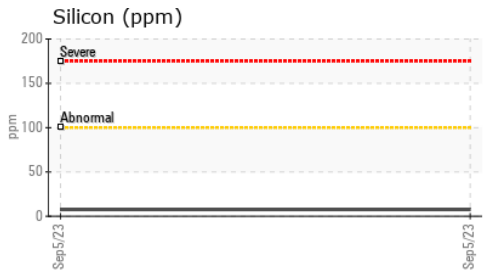
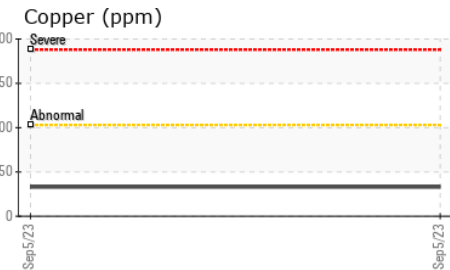
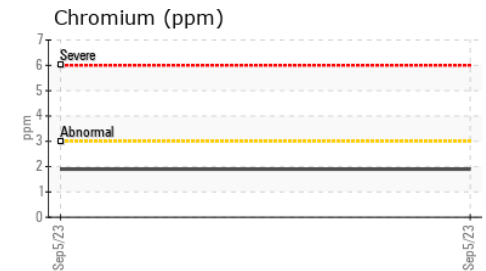
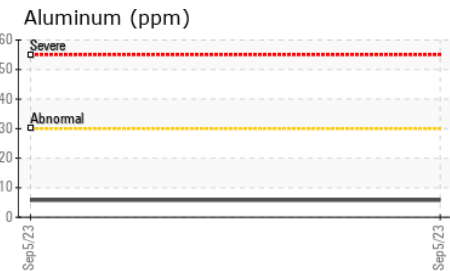
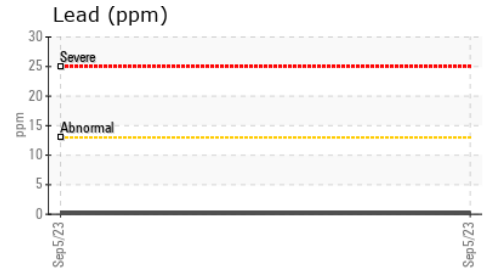
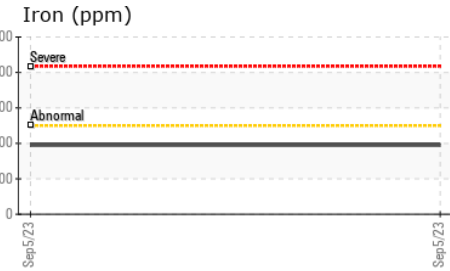
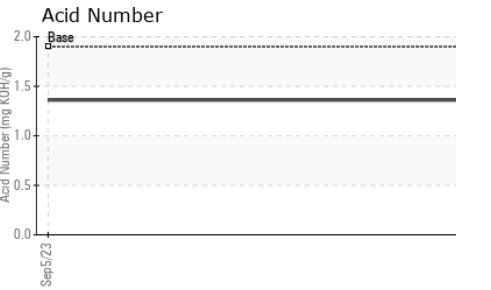
method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	141.0 ▲ 95.3	---	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color				
Bottom				



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0104697 **Received** : 07 Sep 2023
Lab Number : 05944731 **Diagnosed** : 10 Sep 2023
Unique Number : 10635343 **Diagnostician** : Don Baldrige
Test Package : MOB 2

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: