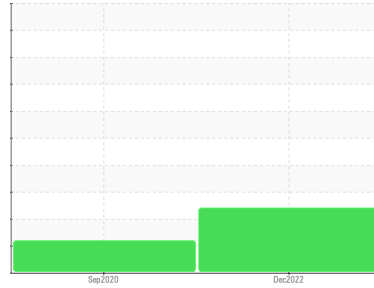


PROBLEM SUMMARY

Sample Rating Trend



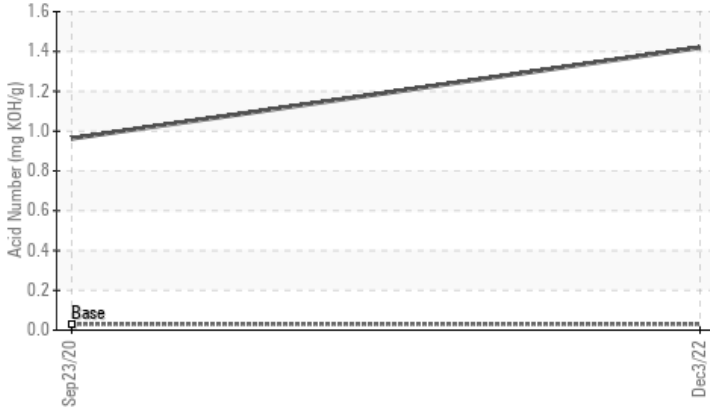
DEGRADATION



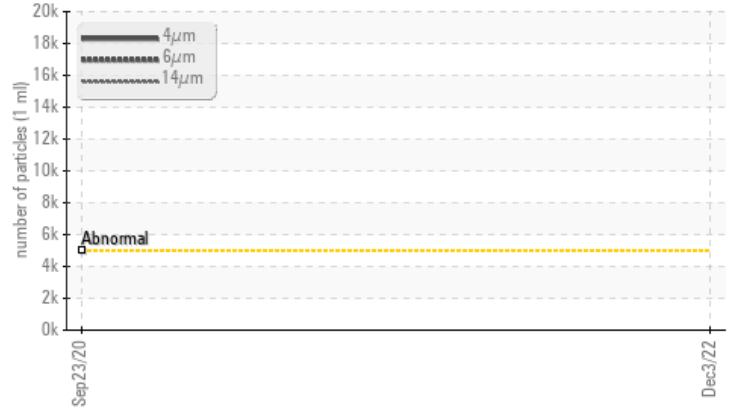
Machine Id
MAX 12
 Component
Hydraulic System
 Fluid
PETRO CANADA CALFLO AF (21 GAL)

COMPONENT CONDITION SUMMARY

▲ Acid Number



▲ Particle Trend



RECOMMENDATION

The oil is near the end of its useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	---
Particles >4µm	ASTM D7647	>5000	▲ 18714	---	---
Particles >6µm	ASTM D7647	>1300	▲ 3765	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 21/19/14	---	---
Acid Number (AN)	mg KOH/g ASTM D8045	0.03	▲ 1.42	▲ 0.963	---

Customer Id: GALGURIL
 Sample No.: PCA0067936
 Lab Number: 05710964
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Service/change Fluid	MISSED	Apr 21 2023	?	The oil is near the end of it's useful service life, recommend schedule an oil change.

HISTORICAL DIAGNOSIS

23 Sep 2020 Diag: Don Baldrige

DEGRADATION



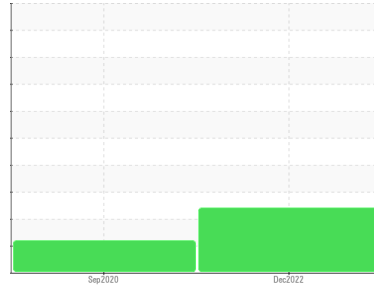
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is above the recommended limit.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Machine Id
MAX 12
 Component
Hydraulic System
 Fluid
PETRO CANADA CALFLO AF (21 GAL)

DIAGNOSIS

Recommendation

The oil is near the end of its useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is above the recommended limit.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PCA0067936	PCA0015046	---
Sample Date	Client Info			03 Dec 2022	23 Sep 2020	---
Machine Age	mths	Client Info		2	30	---
Oil Age	mths	Client Info		2	10	---
Oil Changed	Client Info			Not Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	5	---
Chromium	ppm	ASTM D5185m	>20	0	0	---
Nickel	ppm	ASTM D5185m	>20	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	0	0	---
Lead	ppm	ASTM D5185m	>20	<1	<1	---
Copper	ppm	ASTM D5185m	>20	9	5	---
Tin	ppm	ASTM D5185m	>20	0	0	---
Antimony	ppm	ASTM D5185m		---	<1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
Cadmium	ppm	ASTM D5185m		0	0	---

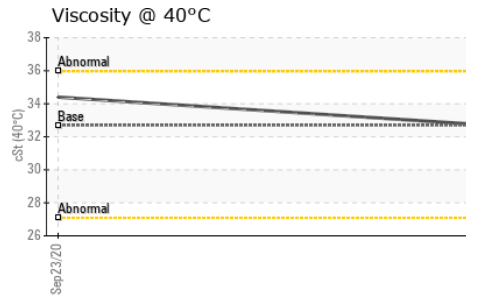
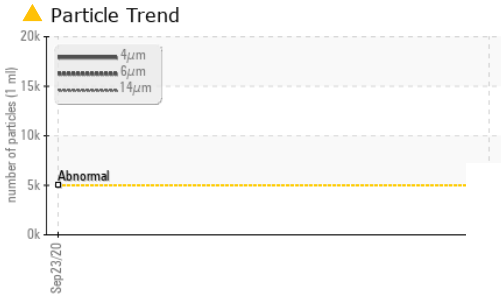
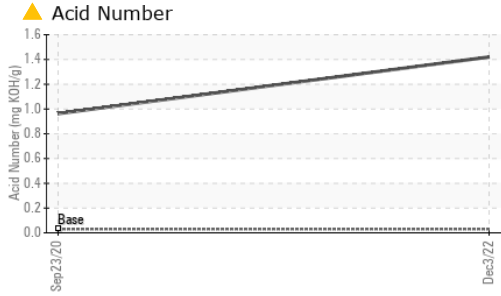
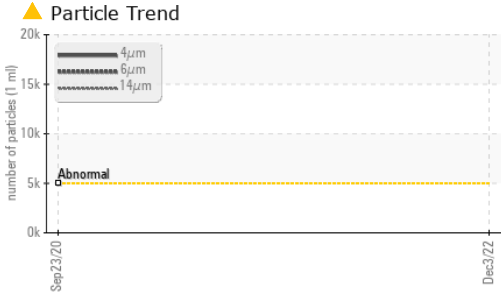
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	0	0	<1	---
Manganese	ppm	ASTM D5185m	0	0	0	---
Magnesium	ppm	ASTM D5185m	0	0	0	---
Calcium	ppm	ASTM D5185m	0	<1	0	---
Phosphorus	ppm	ASTM D5185m	270	251	226	---
Zinc	ppm	ASTM D5185m	0	42	98	---
Sulfur	ppm	ASTM D5185m	10	0	0	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	5	4	---
Sodium	ppm	ASTM D5185m		1	0	---
Potassium	ppm	ASTM D5185m	>20	0	0	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ 18714	---	---
Particles >6µm		ASTM D7647	>1300	▲ 3765	---	---
Particles >14µm		ASTM D7647	>160	124	---	---
Particles >21µm		ASTM D7647	>40	28	---	---
Particles >38µm		ASTM D7647	>10	2	---	---
Particles >71µm		ASTM D7647	>3	1	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/19/14	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.03	▲ 1.42	▲ 0.963	---

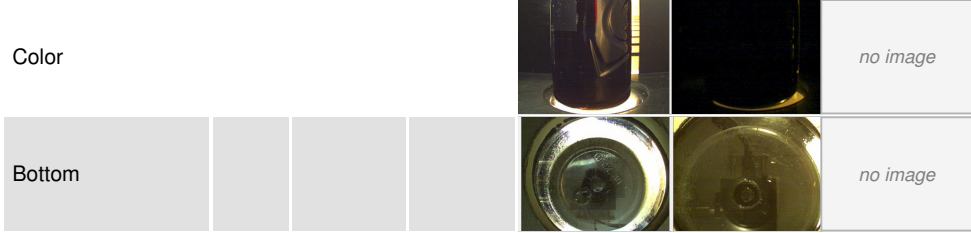
OIL ANALYSIS REPORT



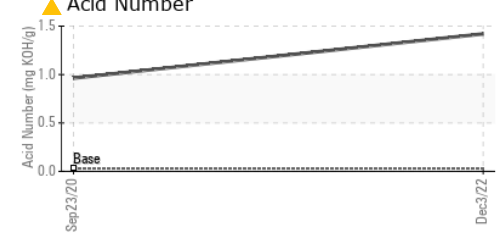
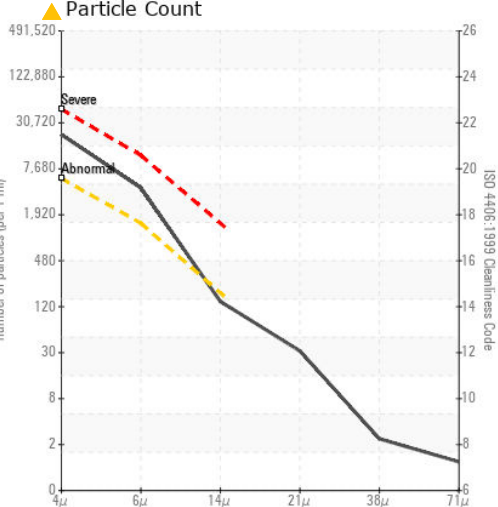
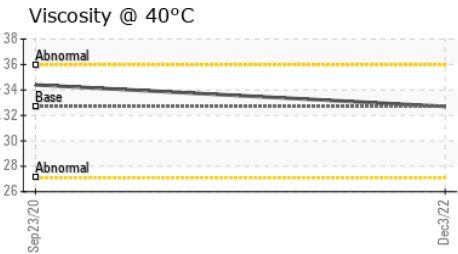
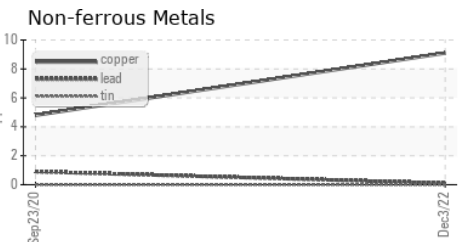
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32.7	34.4	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0067936 **Received** : 07 Dec 2022
Lab Number : 05710964 **Diagnosed** : 09 Dec 2022
Unique Number : 10245539 **Diagnostician** : Don Baldrige
Test Package : PLANT

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 GURNEE, IL
 US 60031
 Contact: BRAD CLIFF
 bcliff@gallaghercorp.com
 T: (847)249-3440
 F: (847)249-3473

Certificate L2367
 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)