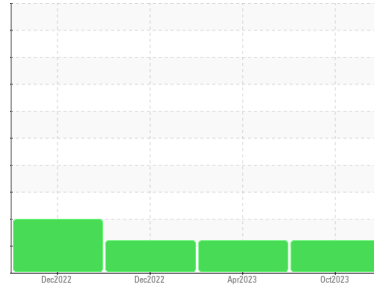


PROBLEM SUMMARY

Sample Rating Trend



ISO



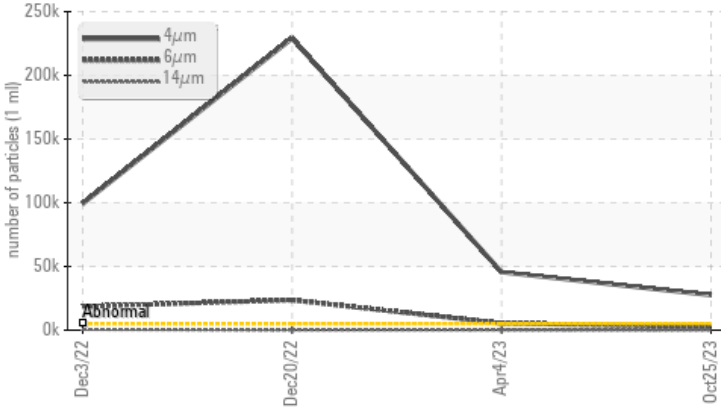
Machine Id
MAX 5

Component
Hydraulic System

Fluid
PETRO CANADA CALFLO AF (18 GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>5000	▲ 27533	▲ 45541	▲ 229017
Particles >6µm	ASTM D7647	>1300	▲ 2795	▲ 5345	▲ 23590
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 22/19/13	▲ 23/20/14	▲ 25/22/13

Customer Id: GALGURIL
Sample No.: PCA0096789
Lab Number: 05994298
Test Package: IND 2



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
Change Filter	---	---	?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS

04 Apr 2023 Diag: Doug Bogart

ISO



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



20 Dec 2022 Diag: Jonathan Hester

ISO



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



03 Dec 2022 Diag: Don Baldrige

ISO



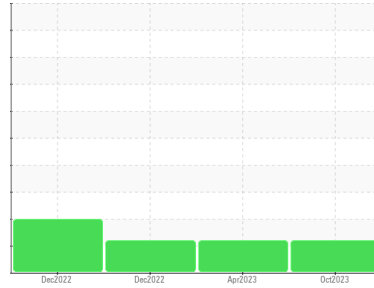
We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
MAX 5
Component
Hydraulic System
Fluid
PETRO CANADA CALFLO AF (18 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. 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 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	PCA0096789	PCA0088485	PCA0015045
Sample Date	Client Info	25 Oct 2023	04 Apr 2023	20 Dec 2022
Machine Age	yrs Client Info	4	4	4
Oil Age	yrs Client Info	4	4	4
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>20	2	1	10
Chromium ppm ASTM D5185m	>20	<1	0	0
Nickel ppm ASTM D5185m	>20	0	0	0
Titanium ppm ASTM D5185m		0	0	0
Silver ppm ASTM D5185m		0	0	0
Aluminum ppm ASTM D5185m	>20	<1	0	<1
Lead ppm ASTM D5185m	>20	0	0	<1
Copper ppm ASTM D5185m	>20	<1	<1	<1
Tin ppm ASTM D5185m	>20	<1	0	<1
Vanadium ppm ASTM D5185m		0	0	0
Cadmium ppm ASTM D5185m		0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	0	0	0	0
Barium ppm ASTM D5185m	0	19	0	0
Molybdenum ppm ASTM D5185m	0	0	0	0
Manganese ppm ASTM D5185m	0	0	<1	0
Magnesium ppm ASTM D5185m	0	0	1	0
Calcium ppm ASTM D5185m	0	0	<1	0
Phosphorus ppm ASTM D5185m	270	251	234	215
Zinc ppm ASTM D5185m	0	20	<1	2
Sulfur ppm ASTM D5185m	10	0	3	46

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>15	4	3	4
Sodium ppm ASTM D5185m		2	0	0
Potassium ppm ASTM D5185m	>20	0	0	0

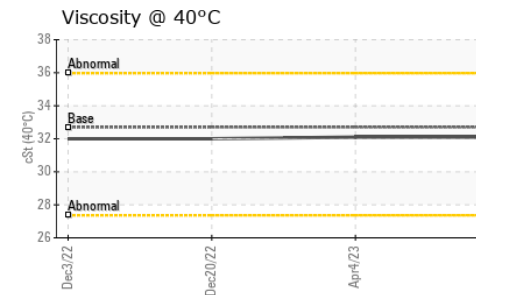
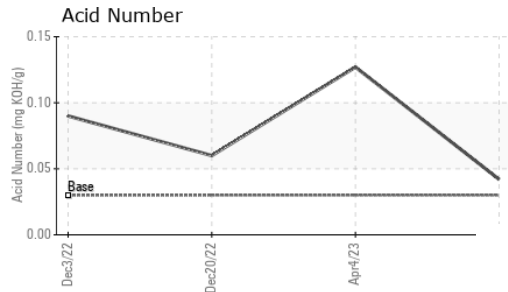
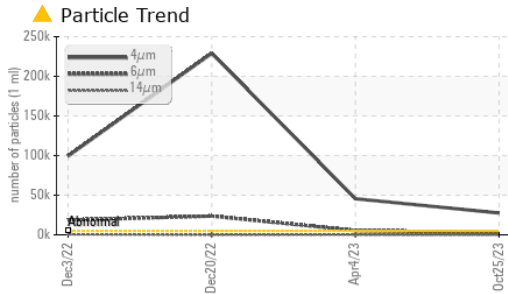
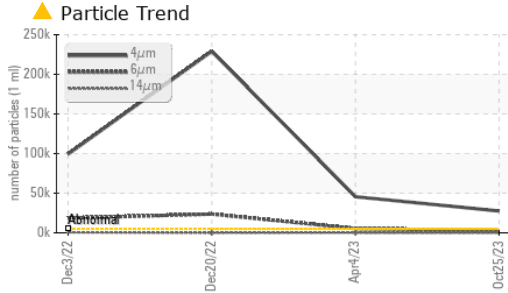
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>5000	▲ 27533	▲ 45541	▲ 229017
Particles >6µm ASTM D7647	>1300	▲ 2795	▲ 5345	▲ 23590
Particles >14µm ASTM D7647	>160	53	110	44
Particles >21µm ASTM D7647	>40	13	27	9
Particles >38µm ASTM D7647	>10	1	2	0
Particles >71µm ASTM D7647	>3	0	0	0
Oil Cleanliness ISO 4406 (c)	>19/17/14	▲ 22/19/13	▲ 23/20/14	▲ 25/22/13

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.03	0.042	0.127	0.06

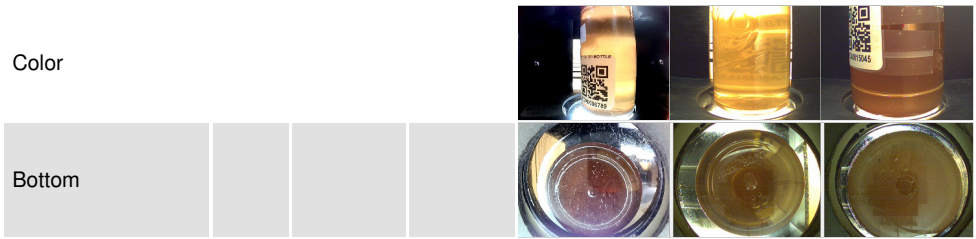
OIL ANALYSIS REPORT



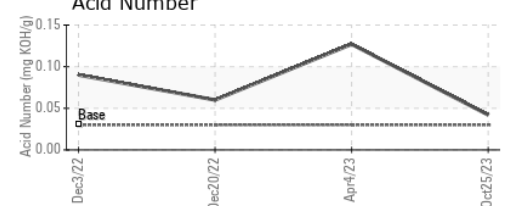
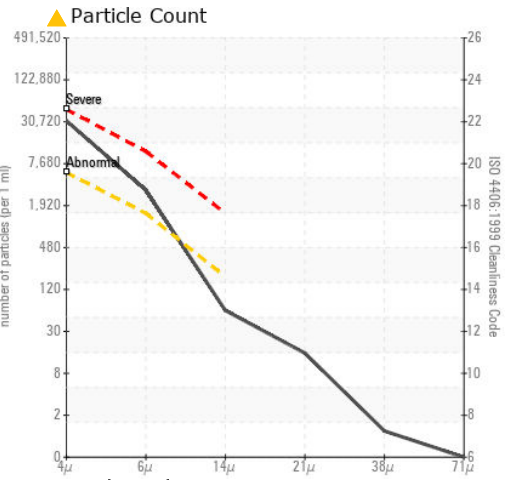
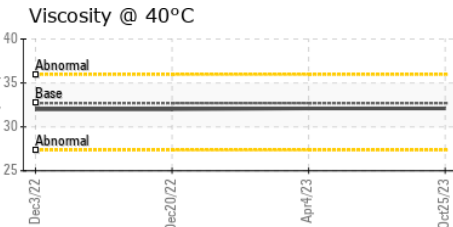
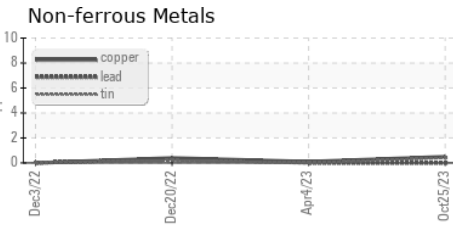
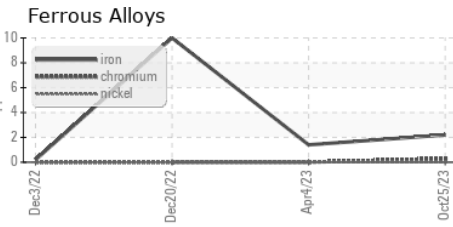
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32.7	32.1	32.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0096789 **Received** : 31 Oct 2023
Lab Number : 05994298 **Diagnosed** : 01 Nov 2023
Unique Number : 10722658 **Diagnostician** : Don Baldrige
Test Package : IND 2

GALLAGHER CORPORATION
 3908 MORRISON DR
 GURNEE, IL
 US 60031
 Contact: BRAD CLIFF
 bcliff@gallaghercorp.com
 T: (847)249-3440
 F: (847)249-3473

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)