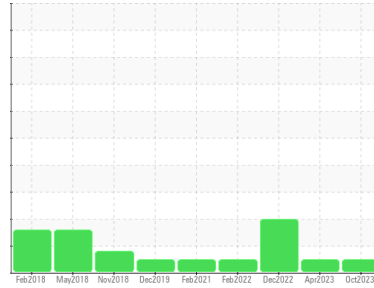


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
MAX 8 (S/N 6342)
 Component
Hydraulic System
 Fluid
PETRO CANADA CALFLO AF (25 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. 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	PCA0096792	PCA0088488	PCA0067938
Sample Date	Client Info	25 Oct 2023	04 Apr 2023	03 Dec 2022
Machine Age	yrs Client Info	5	5	4
Oil Age	yrs Client Info	5	5	4
Oil Changed	Client Info	N/A	N/A	Not Changd
Sample Status		NORMAL	NORMAL	ATTENTION

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	0	<1	<1
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	0
Lead	ppm ASTM D5185m >20	0	0	0
Copper	ppm ASTM D5185m >20	<1	0	<1
Tin	ppm ASTM D5185m >20	<1	0	0
Antimony	ppm ASTM D5185m	---	---	---
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	20	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	253	227	246
Zinc	ppm ASTM D5185m 0	20	0	0
Sulfur	ppm ASTM D5185m 10	0	0	18

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	<1	<1	2
Sodium	ppm ASTM D5185m	2	0	<1
Potassium	ppm ASTM D5185m >20	0	0	0

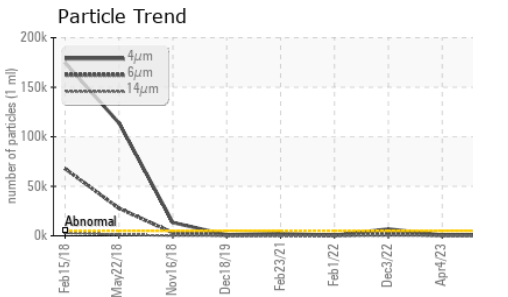
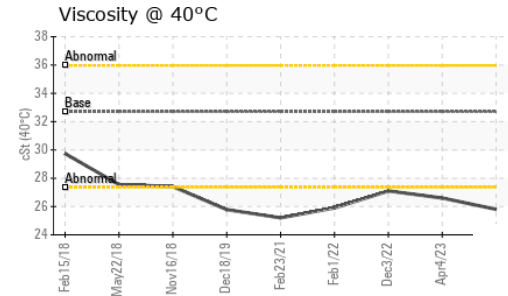
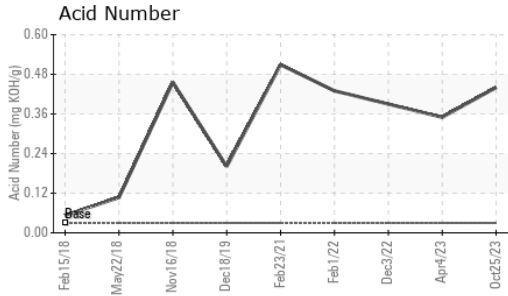
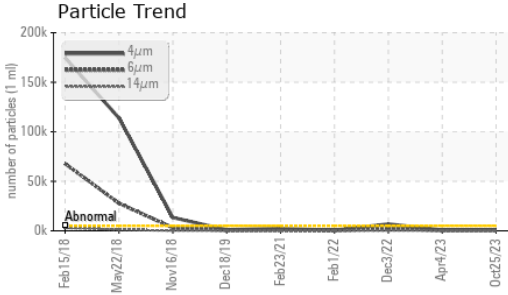
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	813	778	▲ 6896
Particles >6µm	ASTM D7647 >1300	315	251	▲ 2419
Particles >14µm	ASTM D7647 >160	50	39	▲ 228
Particles >21µm	ASTM D7647 >40	17	14	▲ 68
Particles >38µm	ASTM D7647 >10	1	1	3
Particles >71µm	ASTM D7647 >3	0	0	1
Oil Cleanliness	ISO 4406 (c) >19/17/14	17/15/13	17/15/12	▲ 20/18/15

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.03	0.44	0.35	0.39

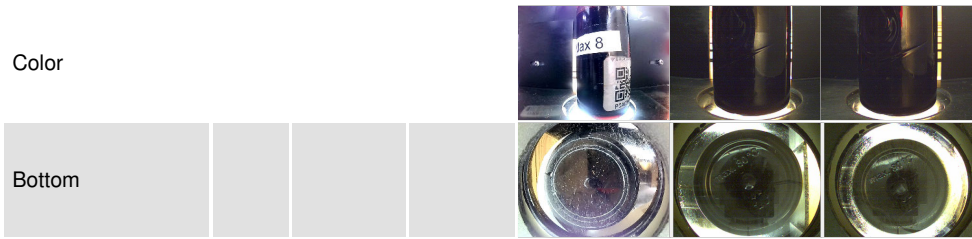
OIL ANALYSIS REPORT



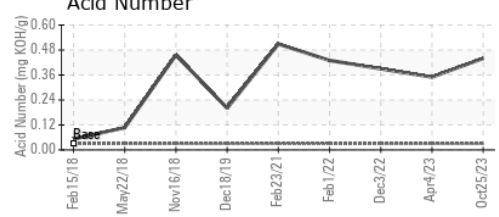
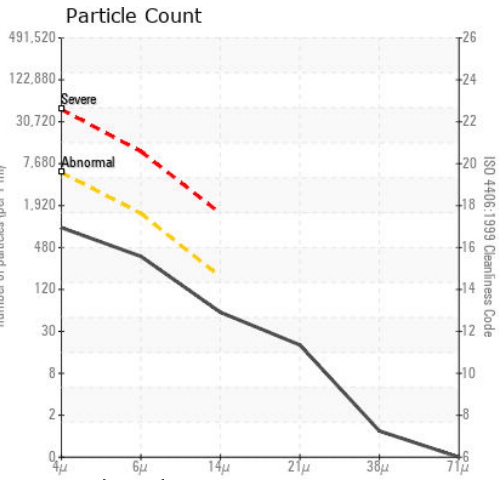
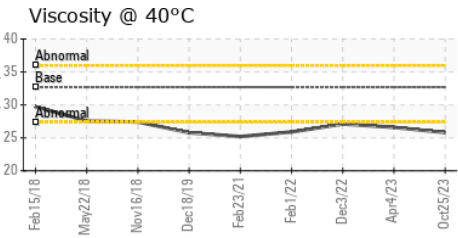
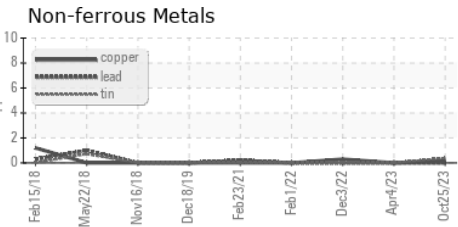
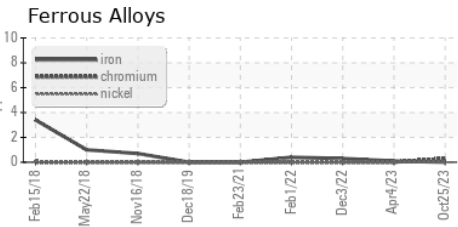
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	25.8	26.6	27.1

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. : PCA0096792
Lab Number : 05994299
Unique Number : 10722659
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)