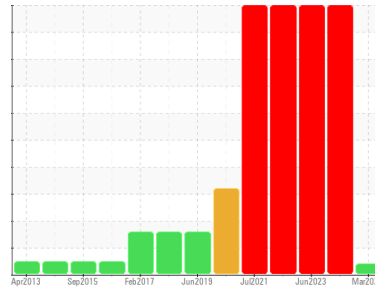


OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
LINE 7
Machine Id
[LINE 7] L7 TK-44000 L7 TK-44000

Component
Gearbox
Fluid
PETRO CANADA PURITY FG SYNTH EP GEAR FLUID 460 (--- GAL)

DIAGNOSIS

Recommendation

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

Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0118547	PCA0102804	PCA0089002
Sample Date	Client Info	08 Mar 2024	08 Aug 2023	10 Jun 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	3000	0	0
Oil Changed	Client Info	Not Chngd	N/A	N/A
Sample Status		ATTENTION	SEVERE	SEVERE

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	53	▲ 288	▲ 3249
Iron	ppm ASTM D5185m >200	45	▲ 943	▲ 10000
Chromium	ppm ASTM D5185m >15	<1	7	▲ 136
Nickel	ppm ASTM D5185m >15	<1	2	▲ 56
Titanium	ppm ASTM D5185m	<1	0	1
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	6	1	● 39
Lead	ppm ASTM D5185m >100	<1	0	2
Copper	ppm ASTM D5185m >200	1	2	36
Tin	ppm ASTM D5185m >25	<1	0	4
Antimony	ppm ASTM D5185m >5	---	---	---
Vanadium	ppm ASTM D5185m	<1	0	<1
Cadmium	ppm ASTM D5185m	<1	0	2

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 0	9	0	0
Barium	ppm ASTM D5185m	<1	0	0
Molybdenum	ppm ASTM D5185m	<1	0	15
Manganese	ppm ASTM D5185m	1	9	177
Magnesium	ppm ASTM D5185m 0	<1	0	8
Calcium	ppm ASTM D5185m 0	66	0	9
Phosphorus	ppm ASTM D5185m 600	407	401	701
Zinc	ppm ASTM D5185m 0	31	0	15
Sulfur	ppm ASTM D5185m 500	6422	731	373

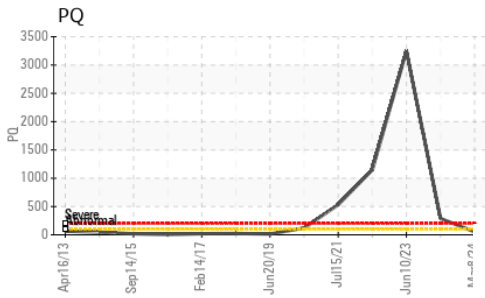
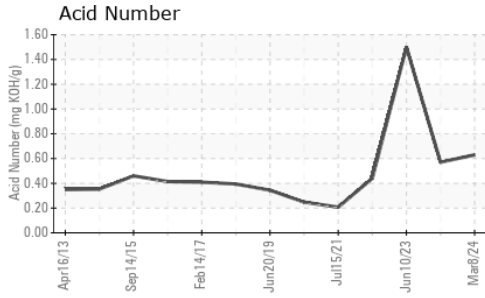
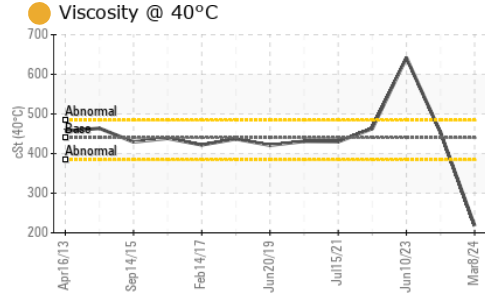
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	5	14	▲ 99
Sodium	ppm ASTM D5185m	0	<1	16
Potassium	ppm ASTM D5185m >20	1	0	<1

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.63	0.57	▲ 1.50

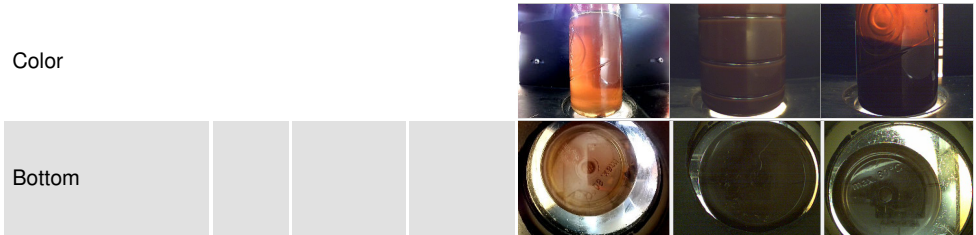
OIL ANALYSIS REPORT



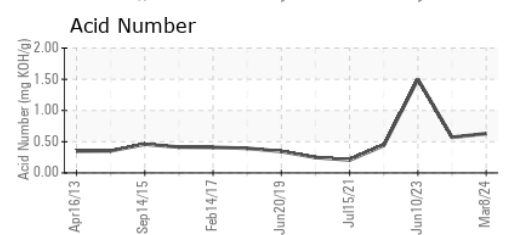
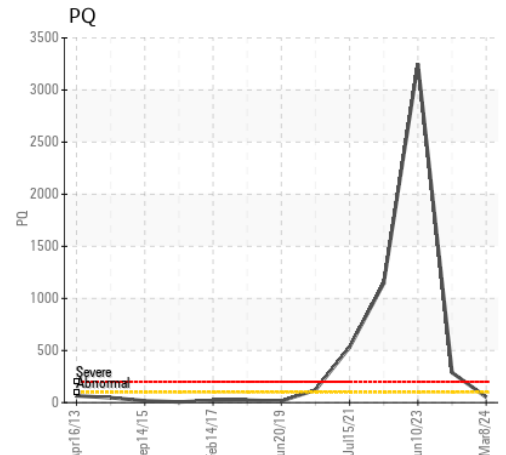
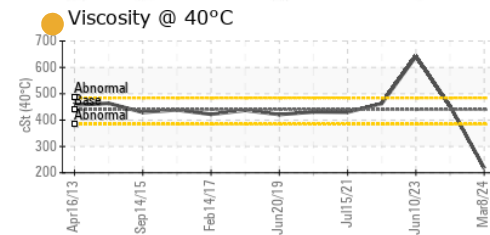
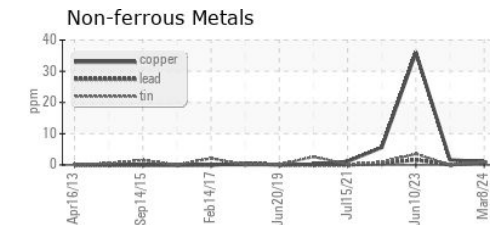
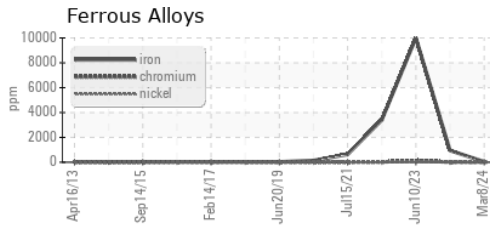
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	▲ MODER	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	▲ MODER	NONE
Debris	scalar	*Visual	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	● MILKY	● MILKY
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	0.2%
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	440	● 218	453

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. : PCA0118547

Lab Number : 06129521

Unique Number : 10943672

Test Package : IND 2 (Additional Tests: PQ)

Received : 26 Mar 2024

Tested : 27 Mar 2024

Diagnosed : 29 Mar 2024 - Don Baldrige

THE HERSHEY COMPANY

WEST HERSHEY - TECHNICAL ASSURANCE, 1033 OLDE WEST CHOCOLATE

HERSHEY, PA

US 17033

Contact: CLINTON ZOHNER

clintzohner@hersheys.com

T: (717)374-4846

F: (717)374-4594

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)