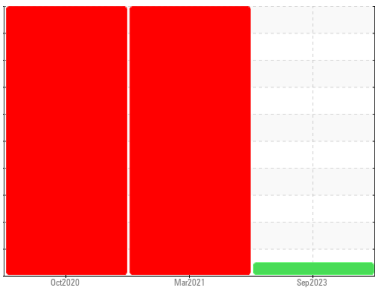
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
426019-4669
Component
Rear Differential
Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- LTR)

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
Confirm oil type. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**GFL0058072**	GFL0017717	GFL0012432
Sample Date		Client Info		**28 Sep 2023**	01 Mar 2021	16 Oct 2020
Machine Age	mls	Client Info		**33096**	5505632	537800
Oil Age	mls	Client Info		**23**	0	0
Oil Changed		Client Info		**Not Changd**	N/A	N/A
Sample Status				**NORMAL**	SEVERE	SEVERE

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>870	**15**	⬢ 3580	⬢ 1782
Chromium	ppm	ASTM D5185m	>8	**0**	▲ 14	▲ 9
Nickel	ppm	ASTM D5185m	>25	**0**	⬢ 78	▲ 33
Titanium	ppm	ASTM D5185m	>4	**<1**	7	4
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>40	**3**	▲ 93	▲ 47
Lead	ppm	ASTM D5185m	>25	**0**	<1	0
Copper	ppm	ASTM D5185m	>60	**9**	8	4
Tin	ppm	ASTM D5185m	>5	**<1**	0	0
Antimony	ppm	ASTM D5185m	>5	**---**	0	0
Vanadium	ppm	ASTM D5185m		**0**	1	0
Cadmium	ppm	ASTM D5185m		**0**	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	328	**5**	168	149
Barium	ppm	ASTM D5185m	1	**0**	89	12
Molybdenum	ppm	ASTM D5185m		**61**	0	0
Manganese	ppm	ASTM D5185m		**<1**	34	18
Magnesium	ppm	ASTM D5185m	1	**945**	23	7
Calcium	ppm	ASTM D5185m	7	**1098**	74	42
Phosphorus	ppm	ASTM D5185m	1145	**1020**	1197	1073
Zinc	ppm	ASTM D5185m	3	**1261**	49	30
Sulfur	ppm	ASTM D5185m	17909	**3403**	19181	17235

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>285	**5**	⬢ 512	▲ 233
Sodium	ppm	ASTM D5185m		**3**	29	15
Potassium	ppm	ASTM D5185m	>20	**0**	23	16

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	▲ MILKY
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	**NEG**	0.2%	0.2%
Free Water	scalar	*Visual		**NEG**	NEG	NEG

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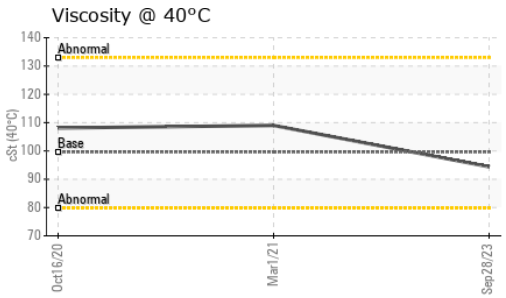
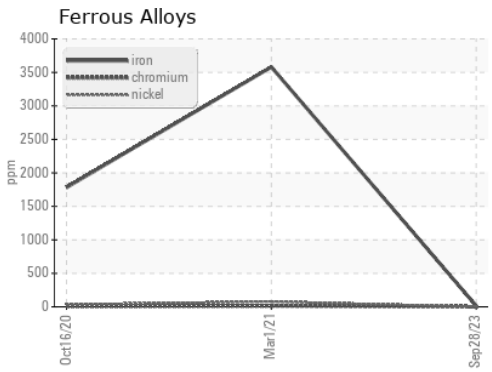
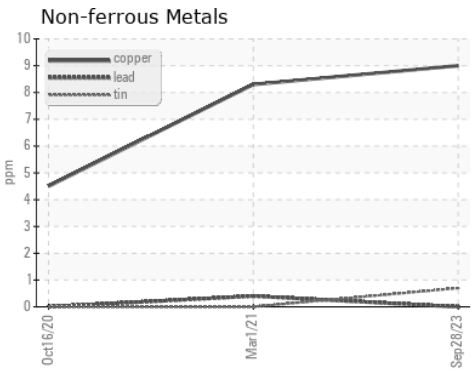


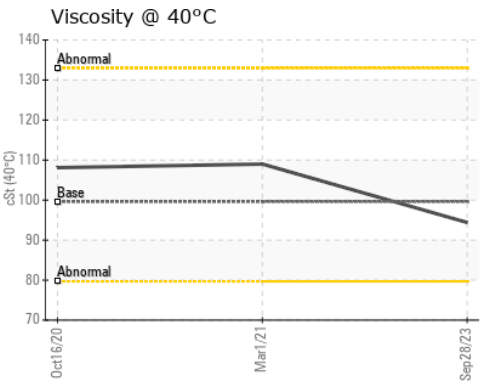
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99.6	**94.4**	109	108.1

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS







Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0058072
Lab Number : 05964902
Unique Number : 10671453
Test Package : FLEET

Received : 29 Sep 2023
Diagnosed : 01 Oct 2023
Diagnostician : Don Baldridge

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)

GFL Environmental - 657 - Charlottesville Hauling
5498 Richmond Road
Troy, VA
US 22974
Contact: Brian Ulickas
bulickas@gflenv.com
T:
F:

Report Id: GFL657 [WUSCAR] 05964902 (Generated: 10/01/2023 16:47:58) Rev: 1

Submitted By: TECHNICIAN ACCOUNT