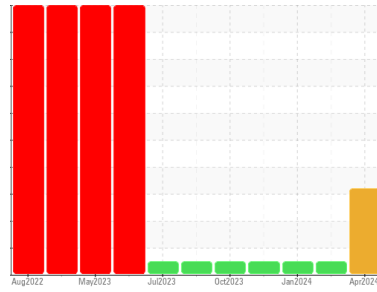




OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
10699
 Component
Transmission (Auto)
 Fluid

PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

The aluminum level is abnormal. Clutch wear is indicated.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0118016	GFL0112379	GFL0107175
Sample Date	Client Info	18 Apr 2024	21 Feb 2024	30 Jan 2024
Machine Age	hrs	1023	469	307
Oil Age	hrs	1068	514	307
Oil Changed	Client Info	Changed	Not Chngd	N/A
Sample Status		ABNORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >160	106	42	41
Chromium	ppm ASTM D5185m >5	<1	0	<1
Nickel	ppm ASTM D5185m >5	<1	0	<1
Titanium	ppm ASTM D5185m	<1	0	<1
Silver	ppm ASTM D5185m >5	<1	0	0
Aluminum	ppm ASTM D5185m >50	▲ 87	7	5
Lead	ppm ASTM D5185m >50	▲ 63	<1	1
Copper	ppm ASTM D5185m >225	▲ 64	13	13
Tin	ppm ASTM D5185m >10	▲ 11	0	<1
Vanadium	ppm ASTM D5185m	<1	<1	0
Cadmium	ppm ASTM D5185m	<1	0	<1

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	87	82	78
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	1	0	1
Manganese	ppm ASTM D5185m	2	<1	<1
Magnesium	ppm ASTM D5185m	1	2	4
Calcium	ppm ASTM D5185m	58	178	180
Phosphorus	ppm ASTM D5185m	272	297	302
Zinc	ppm ASTM D5185m	1	2	0
Sulfur	ppm ASTM D5185m	913	1001	897

CONTAMINANTS

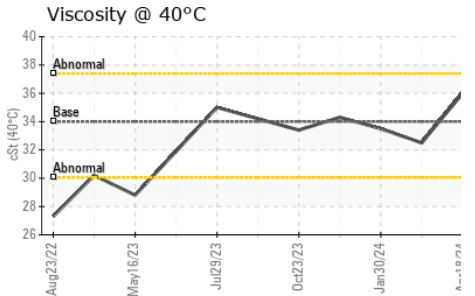
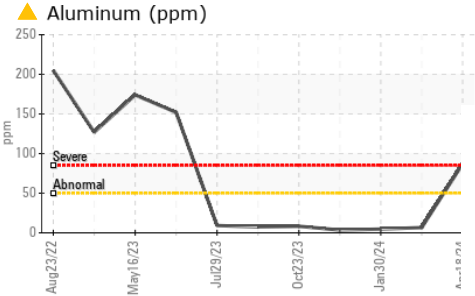
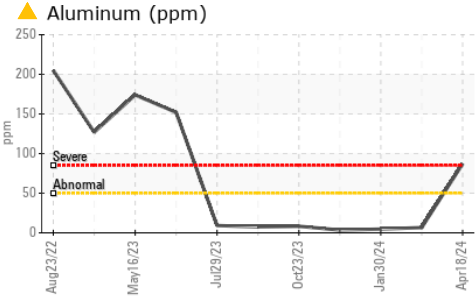
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	10	6	5
Sodium	ppm ASTM D5185m	7	3	0
Potassium	ppm ASTM D5185m >20	5	0	2

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	NORML
Odor	scalar *Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar *Visual >0.1	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT

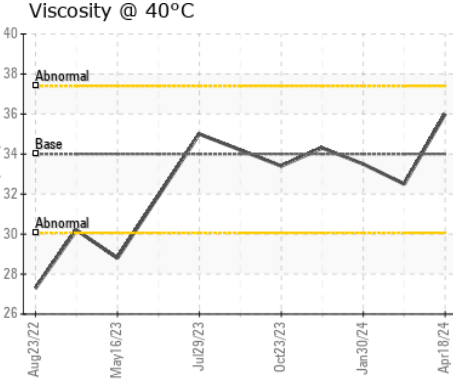
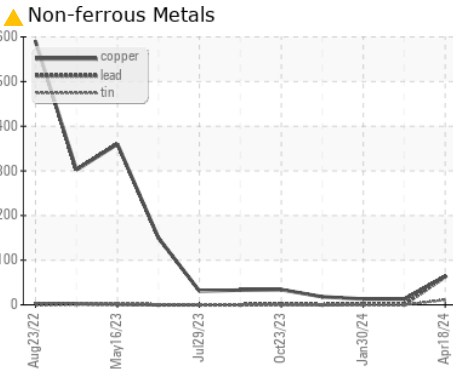
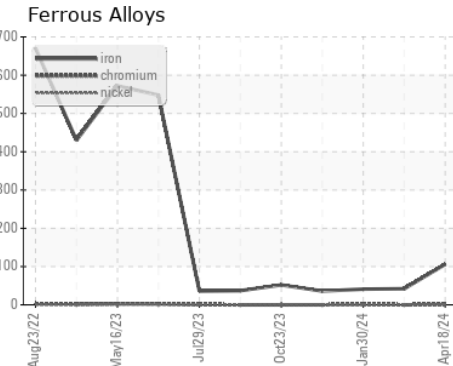


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 34	36.0	32.5	33.5

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0118016 **Received** : 19 Apr 2024
Lab Number : 06154998 **Tested** : 22 Apr 2024
Unique Number : 10990421 **Diagnosed** : 24 Apr 2024 - Jonathan Hester
Test Package : FLEET

GFL Environmental - 010 - Stockbridge
 1280 Rum Creek Parkway
 Stockbridge, GA
 US 30281
 Contact: JOSHUA TINKER
 joshuatinker@gflenv.com

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)