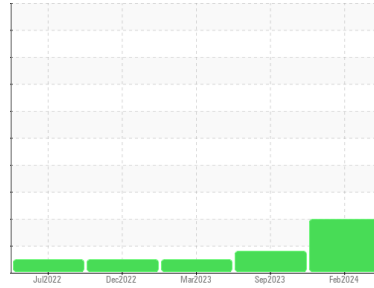




OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



Machine Id
731123

Component
Transmission (Auto)

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

DIAGNOSIS

Recommendation

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

Wear

The aluminum level is abnormal. Moderate concentration of visible metal present. All other component wear rates are normal for time on oil..

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	GFL0109776	GFL0090702	GFL0070218
Sample Date	Client Info	13 Feb 2024	28 Sep 2023	02 Mar 2023
Machine Age	hrs	6085	5442	4195
Oil Age	hrs	6085	5442	4195
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		ABNORMAL	ABNORMAL	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	152	106	84
Chromium	ppm ASTM D5185m >5	<1	<1	<1
Nickel	ppm ASTM D5185m >5	1	0	0
Titanium	ppm ASTM D5185m	<1	<1	0
Silver	ppm ASTM D5185m >5	<1	0	0
Aluminum	ppm ASTM D5185m >50	80	35	42
Lead	ppm ASTM D5185m >50	12	<1	8
Copper	ppm ASTM D5185m >225	59	13	37
Tin	ppm ASTM D5185m >10	14	3	8
Vanadium	ppm ASTM D5185m	<1	0	0
Cadmium	ppm ASTM D5185m	<1	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	100	94	83
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	2	0	2
Manganese	ppm ASTM D5185m	6	1	4
Magnesium	ppm ASTM D5185m	<1	3	5
Calcium	ppm ASTM D5185m	78	135	56
Phosphorus	ppm ASTM D5185m	293	308	239
Zinc	ppm ASTM D5185m	6	<1	9
Sulfur	ppm ASTM D5185m	1381	984	841

CONTAMINANTS

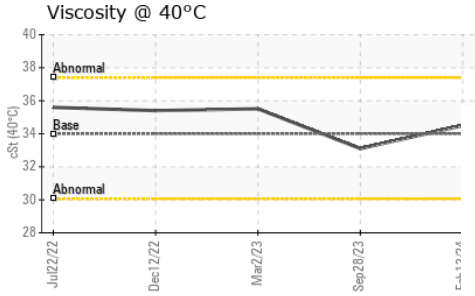
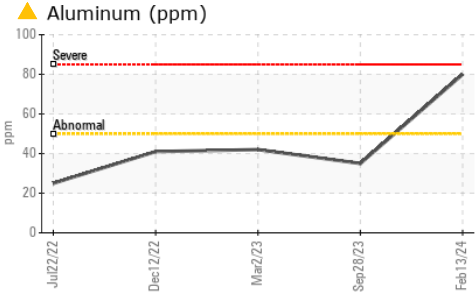
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	9	12	5
Sodium	ppm ASTM D5185m	11	5	5
Potassium	ppm ASTM D5185m >20	6	<1	4

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	MODER	NONE	NONE
Yellow Metal	scalar *Visual NONE	NONE	NONE	NONE
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	NONE	MODER	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

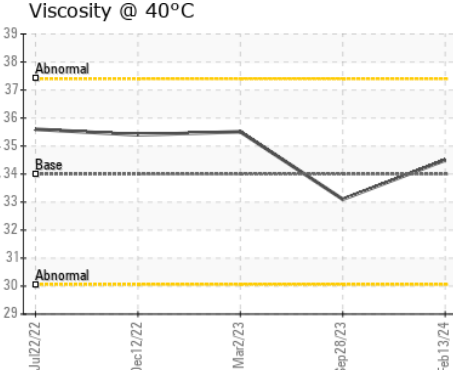
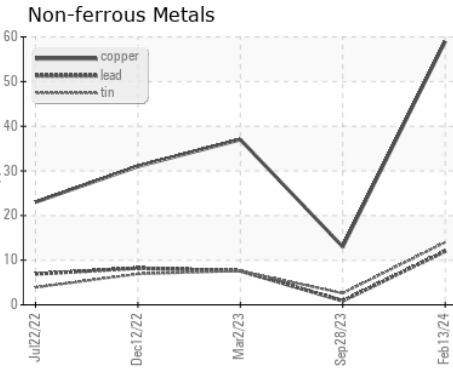
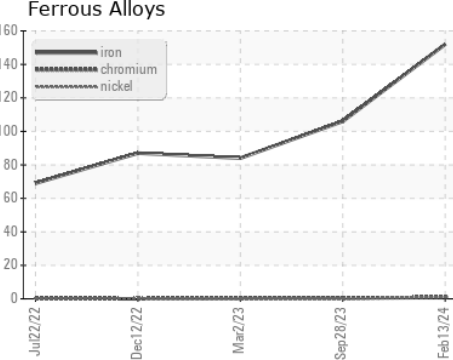


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	34	34.5	33.1	35.51

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. : GFL0109776 **Received** : 15 Feb 2024
Lab Number : 06090621 **Tested** : 16 Feb 2024
Unique Number : 10883474 **Diagnosed** : 17 Feb 2024 - Don Baldrige
Test Package : FLEET

GFL Environmental - 836 - Kansas City Hauling
 7801 East Truman Road
 Kansas City, MO
 US 64126
 Contact: Loyce Stewart
 loyce.stewart@gflenv.com

Certificate L2367
 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)

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