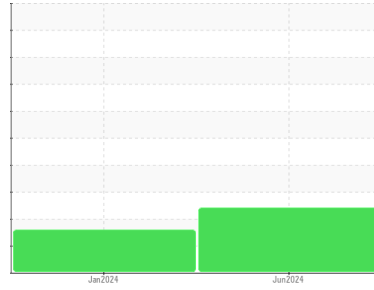




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
(83J3TW)
 Machine Id
229035-632119

Component
Transmission (Auto)
 Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear

Clutch wear is indicated.

▲ Contamination

There is a moderate amount of visible silt present in the sample.

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		GFL0122854	GFL0108173	---
Sample Date	Client Info		26 Jun 2024	08 Jan 2024	---
Machine Age	hrs	Client Info	11207	10216	---
Oil Age	hrs	Client Info	10216	0	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			ABNORMAL	ABNORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	145	130	---
Chromium	ppm	ASTM D5185m >5	<1	<1	---
Nickel	ppm	ASTM D5185m >5	<1	0	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m >5	<1	0	---
Aluminum	ppm	ASTM D5185m >50	27	23	---
Lead	ppm	ASTM D5185m >50	▲ 74	▲ 66	---
Copper	ppm	ASTM D5185m >225	▲ 268	▲ 268	---
Tin	ppm	ASTM D5185m >10	<1	<1	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	<1	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	105	105	---
Barium	ppm	ASTM D5185m	1	<1	---
Molybdenum	ppm	ASTM D5185m	<1	0	---
Manganese	ppm	ASTM D5185m	4	4	---
Magnesium	ppm	ASTM D5185m	2	1	---
Calcium	ppm	ASTM D5185m	135	88	---
Phosphorus	ppm	ASTM D5185m	283	297	---
Zinc	ppm	ASTM D5185m	161	153	---
Sulfur	ppm	ASTM D5185m	1229	983	---

CONTAMINANTS

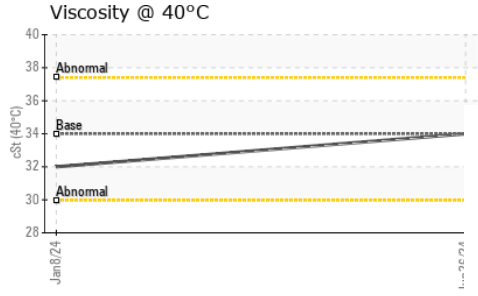
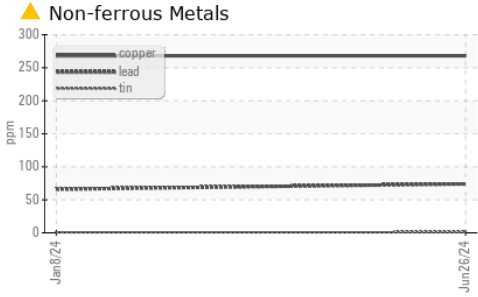
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	6	6	---
Sodium	ppm	ASTM D5185m	6	8	---
Potassium	ppm	ASTM D5185m >20	4	3	---

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	▲ MODER	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 >0.1	NEG	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---



OIL ANALYSIS REPORT



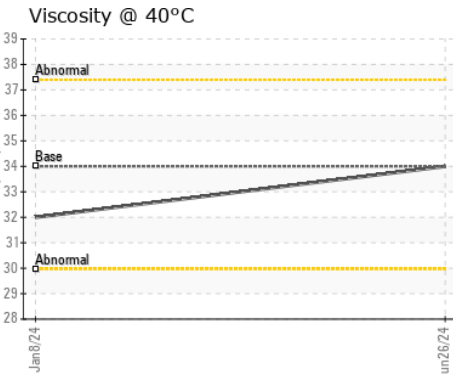
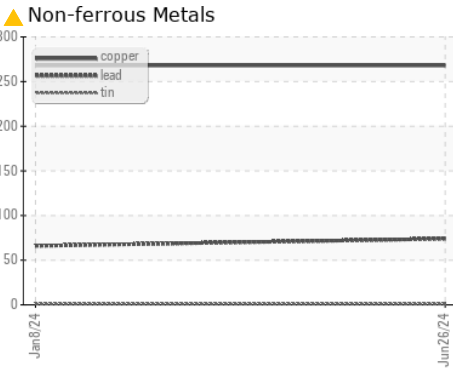
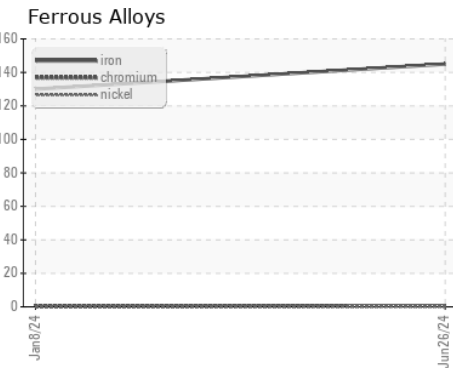
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 34	34.0	32.0	---

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. : GFL0122854 **Received** : 01 Jul 2024
Lab Number : 06225433 **Tested** : 02 Jul 2024
Unique Number : 11103630 **Diagnosed** : 03 Jul 2024 - Jonathan Hester
Test Package : FLEET

GFL Environmental - 837 - Harrison TS
 22820 S State Route 291
 Harrisonville, MO
 US 64701
 Contact: SARA PATRICK
 spatrack@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)

T:
F: