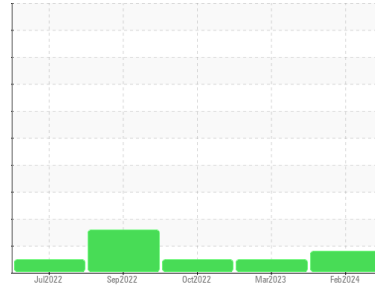




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
(97J3WG)
Machine Id
920084-205324

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

The aluminum level is abnormal. All other component wear rates are normal.

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	GFL0108078	GFL0070222	GFL0055642
Sample Date	Client Info	12 Feb 2024	02 Mar 2023	17 Oct 2022
Machine Age	hrs	18853	16267	15310
Oil Age	hrs	18853	16267	2400
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
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	129	86	82
Chromium	ppm ASTM D5185m >5	0	0	0
Nickel	ppm ASTM D5185m >5	0	0	0
Titanium	ppm ASTM D5185m	0	0	0
Silver	ppm ASTM D5185m >5	0	0	0
Aluminum	ppm ASTM D5185m >50	52	24	20
Lead	ppm ASTM D5185m >50	15	8	8
Copper	ppm ASTM D5185m >225	41	19	18
Tin	ppm ASTM D5185m >10	6	3	4
Vanadium	ppm ASTM D5185m	0	0	<1
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	66	70	68
Barium	ppm ASTM D5185m	0	<1	0
Molybdenum	ppm ASTM D5185m	0	0	<1
Manganese	ppm ASTM D5185m	1	0	2
Magnesium	ppm ASTM D5185m	0	<1	0
Calcium	ppm ASTM D5185m	113	119	97
Phosphorus	ppm ASTM D5185m	202	208	221
Zinc	ppm ASTM D5185m	4	7	0
Sulfur	ppm ASTM D5185m	1210	1386	1443

CONTAMINANTS

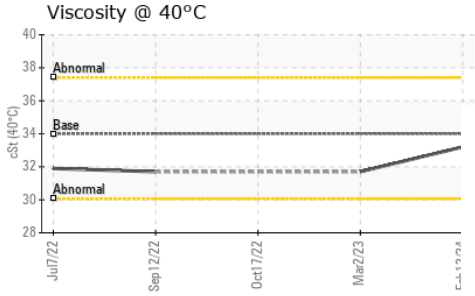
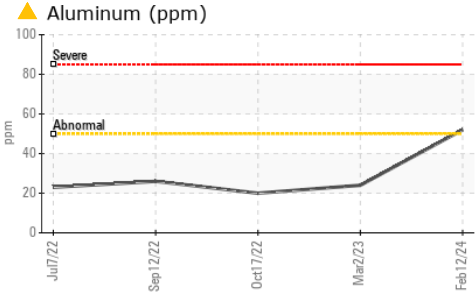
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	14	4	7
Sodium	ppm ASTM D5185m	11	2	4
Potassium	ppm ASTM D5185m >20	2	2	<1

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	VLITE	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	LIGHT	LIGHT
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



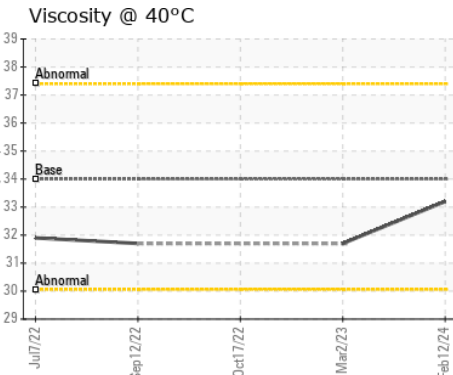
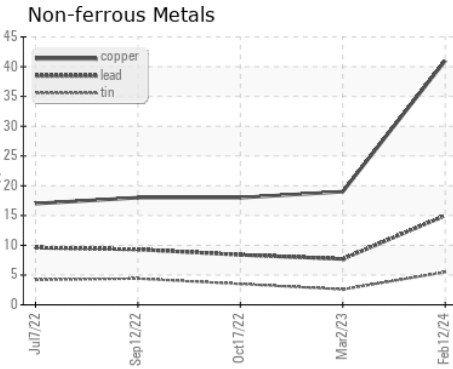
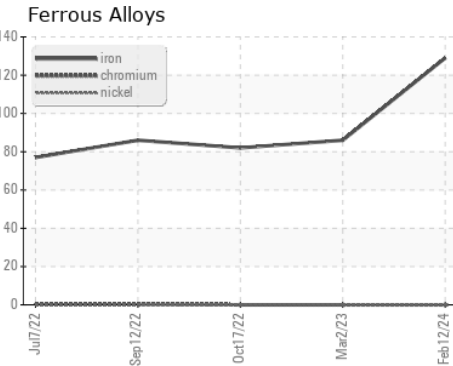
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 34	33.2	31.7	---

SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0108078 **Received** : 23 Feb 2024
Lab Number : 06098793 **Tested** : 26 Feb 2024
Unique Number : 10897023 **Diagnosed** : 26 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
 T:
 F:

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)