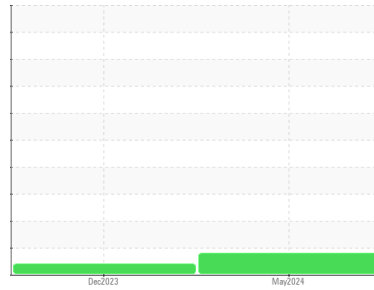




OIL ANALYSIS REPORT

Sample Rating Trend



SEDIMENT



Machine Id
720022-310085
 Component
Transmission
 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

All component wear rates are normal.

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	GFL0120159	GFL0102515	---
Sample Date	Client Info	29 May 2024	11 Dec 2023	---
Machine Age	hrs	11711	10597	---
Oil Age	hrs	0	0	---
Oil Changed	Client Info	Not Changed	Not Changed	---
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 >200	49	33	---
Chromium	ppm ASTM D5185m >10	<1	0	---
Nickel	ppm ASTM D5185m	0	0	---
Titanium	ppm ASTM D5185m	<1	0	---
Silver	ppm ASTM D5185m	0	0	---
Aluminum	ppm ASTM D5185m >50	10	6	---
Lead	ppm ASTM D5185m >50	2	<1	---
Copper	ppm ASTM D5185m >200	10	6	---
Tin	ppm ASTM D5185m >10	1	0	---
Vanadium	ppm ASTM D5185m	<1	0	---
Cadmium	ppm ASTM D5185m	<1	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	19	11	---
Barium	ppm ASTM D5185m	0	0	---
Molybdenum	ppm ASTM D5185m	<1	<1	---
Manganese	ppm ASTM D5185m	<1	<1	---
Magnesium	ppm ASTM D5185m	4	5	---
Calcium	ppm ASTM D5185m	136	112	---
Phosphorus	ppm ASTM D5185m	233	217	---
Zinc	ppm ASTM D5185m	85	99	---
Sulfur	ppm ASTM D5185m	1734	1384	---

CONTAMINANTS

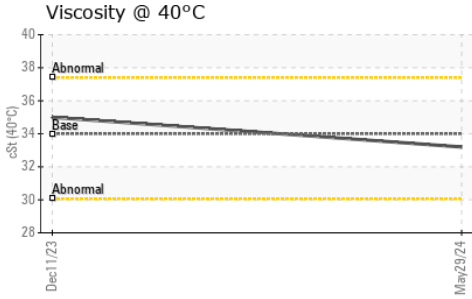
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	7	5	---
Sodium	ppm ASTM D5185m	16	18	---
Potassium	ppm ASTM D5185m >20	8	6	---

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	▲ MODER	---
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



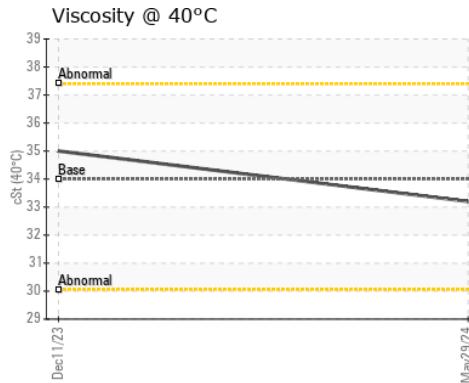
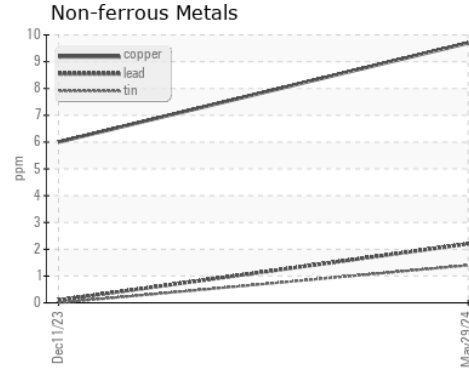
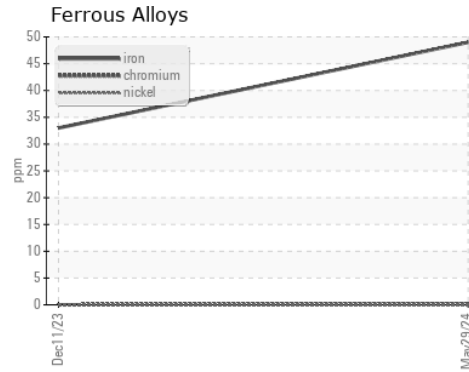
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 34	33.2	35.0	---

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. : GFL0120159
Lab Number : 06197165
Unique Number : 11059288
Test Package : FLEET

Received : 31 May 2024
Tested : 03 Jun 2024
Diagnosed : 04 Jun 2024 - Don Baldrige

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: