

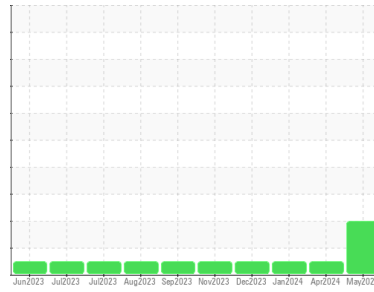


OIL ANALYSIS REPORT



Area
{UNASSIGNED}
 Machine Id
933043
 Component
Transmission (Auto)
 Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (8 GAL)

Sample Rating Trend



WATER



DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate concentration of water present in the fluid. Moderate concentration of visible dirt/debris present 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	GFL0122176	GFL0118042	GFL0107226
Sample Date	Client Info	28 May 2024	26 Apr 2024	12 Jan 2024
Machine Age	hrs Client Info	2299	2122	1529
Oil Age	hrs Client Info	2223	2046	1529
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		ABNORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >325	81	89	85
Chromium	ppm ASTM D5185m >2	<1	<1	<1
Nickel	ppm ASTM D5185m >2	<1	0	0
Titanium	ppm ASTM D5185m >3	0	0	0
Silver	ppm ASTM D5185m >5	0	0	0
Aluminum	ppm ASTM D5185m >75	17	19	13
Lead	ppm ASTM D5185m >40	14	14	8
Copper	ppm ASTM D5185m >50	16	19	16
Tin	ppm ASTM D5185m >10	2	2	1
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	36	46	53
Barium	ppm ASTM D5185m	<1	0	4
Molybdenum	ppm ASTM D5185m	2	<1	0
Manganese	ppm ASTM D5185m	2	2	1
Magnesium	ppm ASTM D5185m	11	12	0
Calcium	ppm ASTM D5185m	145	133	119
Phosphorus	ppm ASTM D5185m	230	213	238
Zinc	ppm ASTM D5185m	56	48	4
Sulfur	ppm ASTM D5185m	1977	1791	1718

CONTAMINANTS

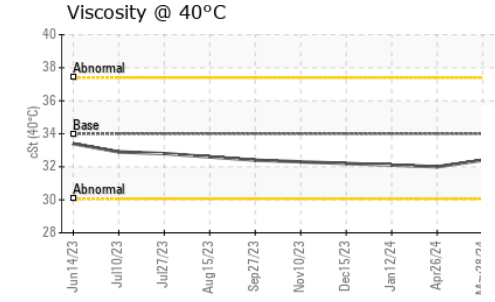
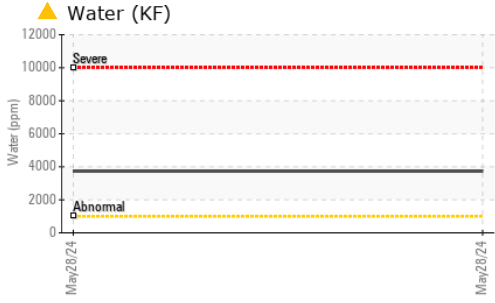
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	6	5	5
Sodium	ppm ASTM D5185m	6	6	<1
Potassium	ppm ASTM D5185m >20	5	1	5
Water	% ASTM D6304 >0.1	▲ 0.374	---	---
ppm Water	ppm ASTM D6304 >1000	▲ 3740	---	---

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	▲ MODER	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	▲ 0.2%	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG



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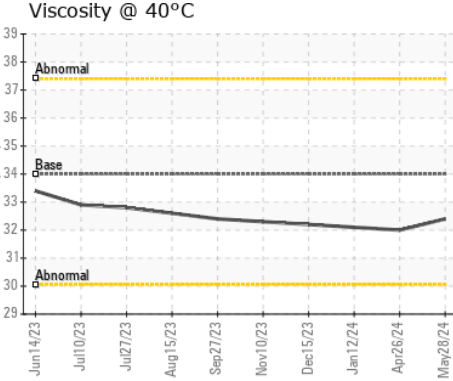
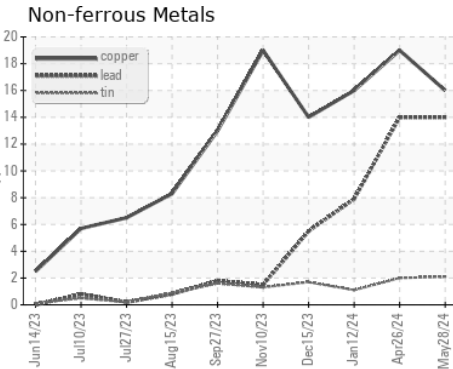
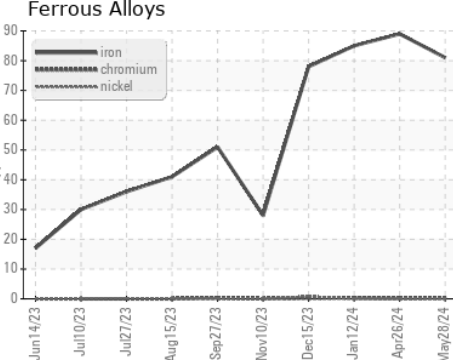
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	32.4	32.0	32.1

SAMPLE IMAGES

method	limit/base	current	history1	history2
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. : GFL0122176 **Received** : 30 May 2024
Lab Number : **06195842** **Tested** : 03 Jun 2024
Unique Number : 11057965 **Diagnosed** : 03 Jun 2024 - Sean Felton
Test Package : FLEET (Additional Tests: KF)

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)

T:
F: