

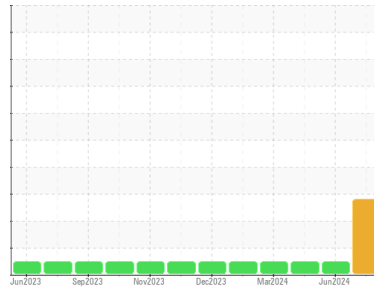


OIL ANALYSIS REPORT



Area
(GED668) {UNASSIGNED}
 Machine Id
933041
 Component
Transmission (Auto)
 Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (8 GAL)

Sample Rating Trend



WATER



DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a light concentration of water present in the fluid. Moderate concentration of visible dirt/debris present in the fluid. 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	GFL0122155	GFL0122121	GFL0118101
Sample Date	Client Info	08 Jul 2024	19 Jun 2024	08 May 2024
Machine Age	hrs	3173	1637	2731
Oil Age	hrs	868	1024	426
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	47	49	44
Chromium	ppm	ASTM D5185m >2	0	<1	<1
Nickel	ppm	ASTM D5185m >2	0	0	0
Titanium	ppm	ASTM D5185m >3	0	0	<1
Silver	ppm	ASTM D5185m >5	0	0	0
Aluminum	ppm	ASTM D5185m >75	11	10	10
Lead	ppm	ASTM D5185m >40	5	7	7
Copper	ppm	ASTM D5185m >50	13	13	12
Tin	ppm	ASTM D5185m >10	1	<1	1
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	40	50	67
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	3	2	2
Calcium	ppm	ASTM D5185m	177	113	123
Phosphorus	ppm	ASTM D5185m	227	235	235
Zinc	ppm	ASTM D5185m	31	19	17
Sulfur	ppm	ASTM D5185m	1988	1910	1773

CONTAMINANTS

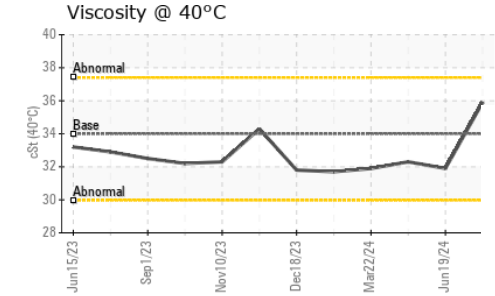
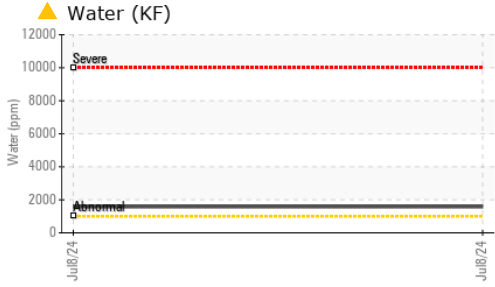
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >20	5	5	5
Sodium	ppm	ASTM D5185m	5	2	3
Potassium	ppm	ASTM D5185m >20	3	2	3
Water	%	ASTM D6304 >0.1	▲ 0.158	---	---
ppm Water	ppm	ASTM D6304 >1000	▲ 1580	---	---

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	▲ MODER	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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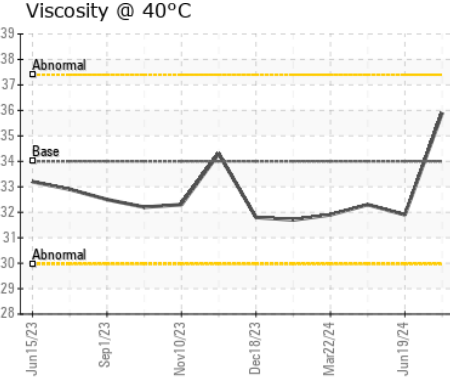
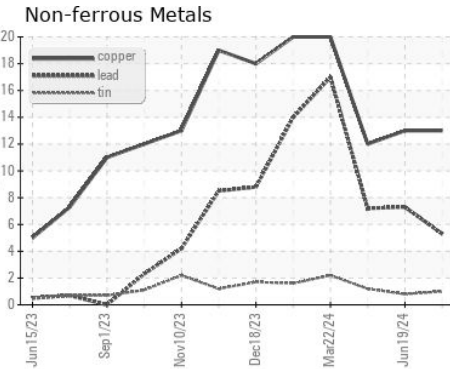
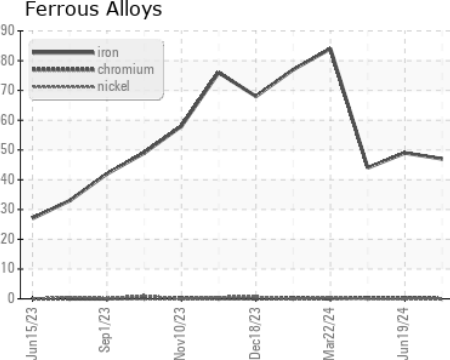
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	35.9	31.9	32.3

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. : GFL0122155 **Received** : 09 Jul 2024
Lab Number : 06231816 **Tested** : 11 Jul 2024
Unique Number : 11115309 **Diagnosed** : 11 Jul 2024 - Jonathan Hester
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)