



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



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

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	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	Client Info		3173	1637	2731
Oil Age	hrs	Client Info		868	1024	426
Filter Age	hrs	Client Info		868	1024	426
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

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
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

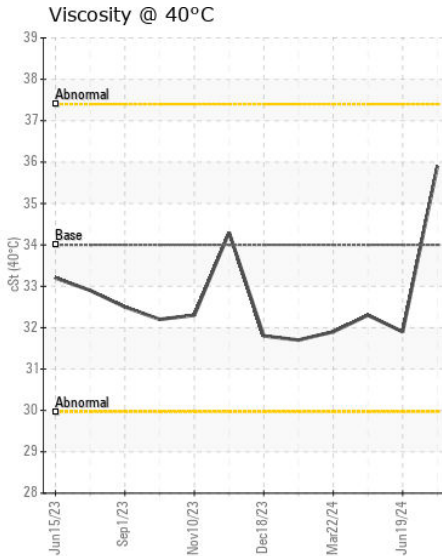
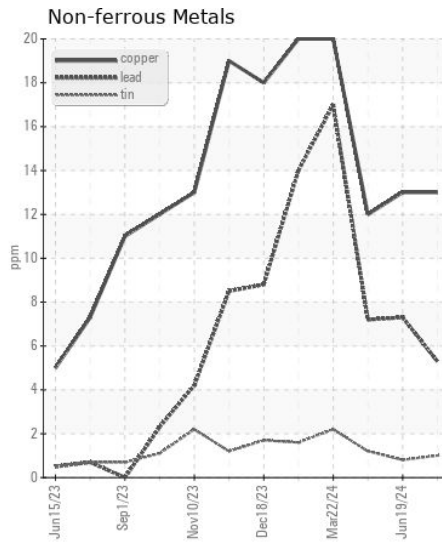
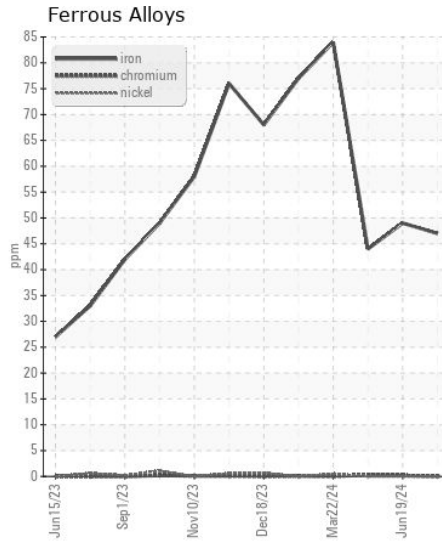
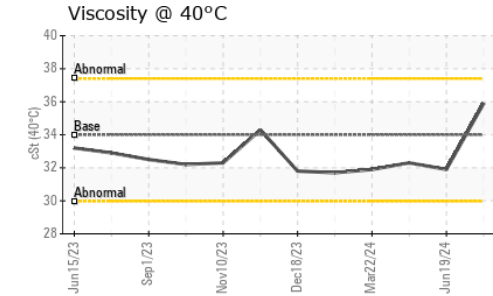
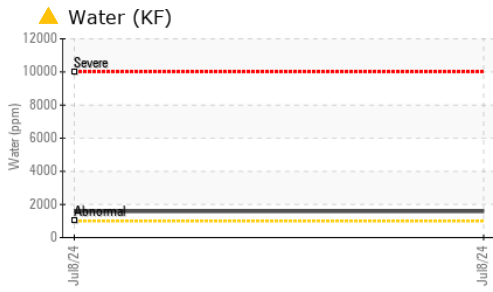
There is a light concentration of water present in the fluid. Moderate concentration of visible dirt/debris present in the fluid. There is a moderate amount of visible silt present in the sample.

Silicon	ppm	ASTM D5185m	>20	5	5	5
Potassium	ppm	ASTM D5185m	>20	3	2	3
Water	%	ASTM D6304	>0.1	▲ 0.158	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 1580	---	---
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

FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		5	2	3
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
Visc @ 40°C	cSt	ASTM D445	34	35.9	31.9	32.3



Certificate L2367

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)

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F: