



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
413026
 Component
Transmission (Auto)
 Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0122172	GFL0118033	GFL0118019
Sample Date		Client Info		24 May 2024	08 May 2024	18 Apr 2024
Machine Age	hrs	Client Info		3857	3724	3594
Oil Age	hrs	Client Info		698	565	435
Filter Age	hrs	Client Info		698	565	435
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	144	153	142
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>5	<1	0	<1
Aluminum	ppm	ASTM D5185m	>50	43	44	41
Lead	ppm	ASTM D5185m	>50	21	19	19
Copper	ppm	ASTM D5185m	>225	30	32	30
Tin	ppm	ASTM D5185m	>10	7	7	7
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

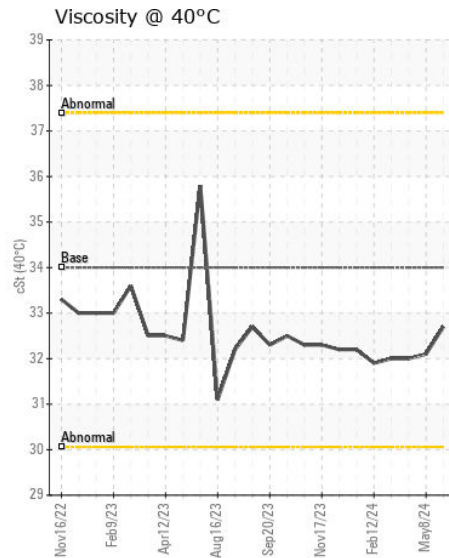
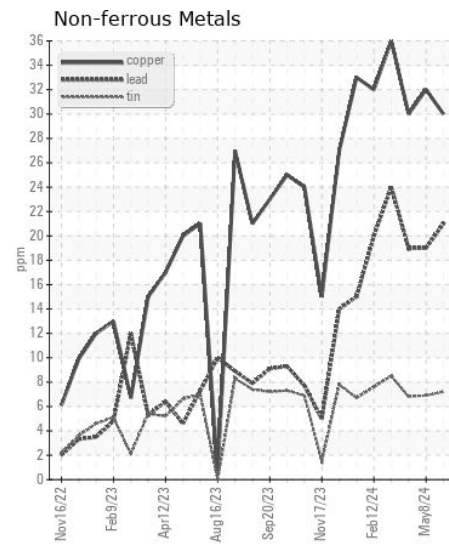
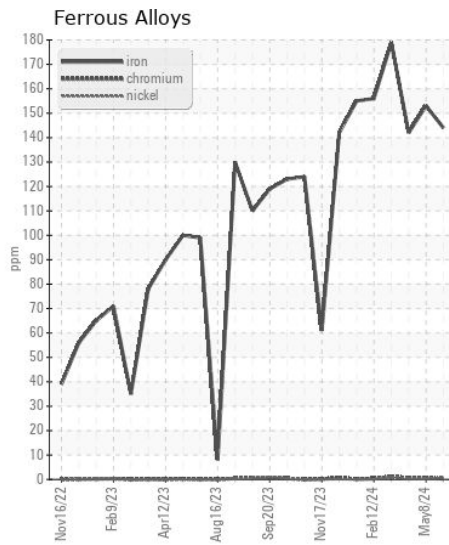
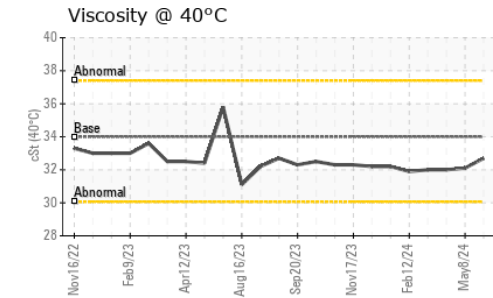
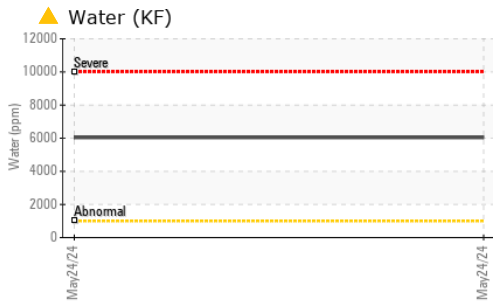
Moderate concentration of visible dirt/debris present in the fluid. There is a moderate concentration of water present in the fluid.

Silicon	ppm	ASTM D5185m	>20	7	8	7
Potassium	ppm	ASTM D5185m	>20	6	5	7
Water	%	ASTM D6304	>0.1	▲ 0.604	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 6040	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	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		8	5	6
Boron	ppm	ASTM D5185m		37	63	52
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		17	2	2
Calcium	ppm	ASTM D5185m		133	124	127
Phosphorus	ppm	ASTM D5185m		216	219	197
Zinc	ppm	ASTM D5185m		21	5	2
Sulfur	ppm	ASTM D5185m		1958	1755	1524
Visc @ 40°C	cSt	ASTM D445	34	32.7	32.1	32.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0122172
Lab Number : 06193157
Unique Number : 11049909
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: