



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
933023
 Component
Transmission (Auto)
 Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- 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		GFL0109764	GFL0103332	GFL0087201
Sample Date		Client Info		29 Jan 2024	20 Jan 2024	15 Aug 2023
Machine Age	hrs	Client Info		2404	2142	1201
Oil Age	hrs	Client Info		2404	2142	1201
Filter Age	hrs	Client Info		1200	1200	1201
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

The aluminum level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	113	61	39
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	▲ 59	32	14
Lead	ppm	ASTM D5185m	>50	8	26	2
Copper	ppm	ASTM D5185m	>225	43	10	7
Tin	ppm	ASTM D5185m	>10	10	7	4
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

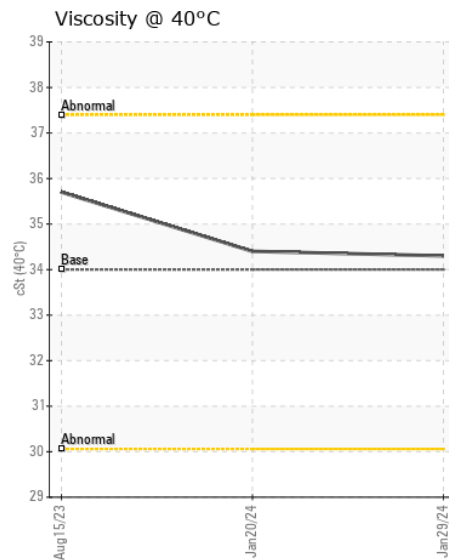
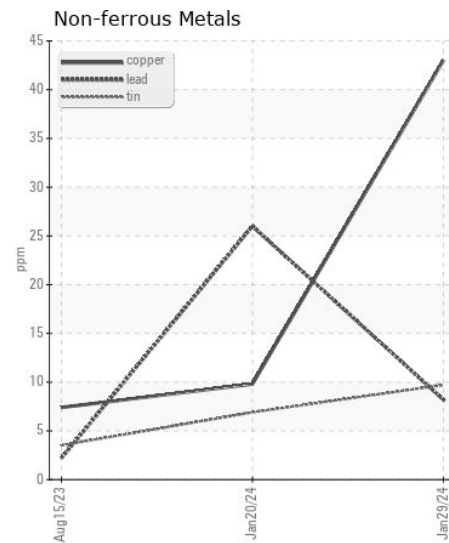
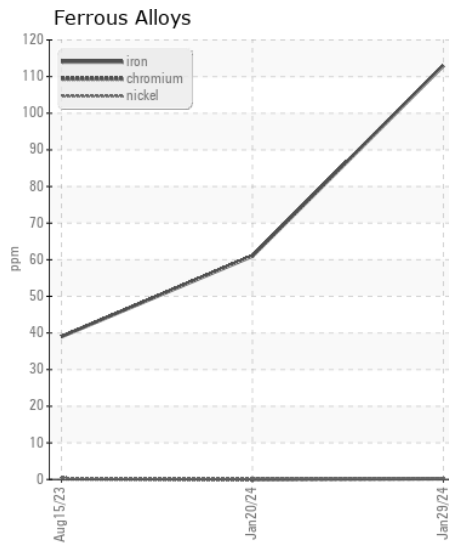
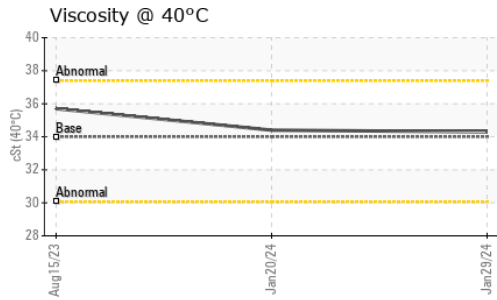
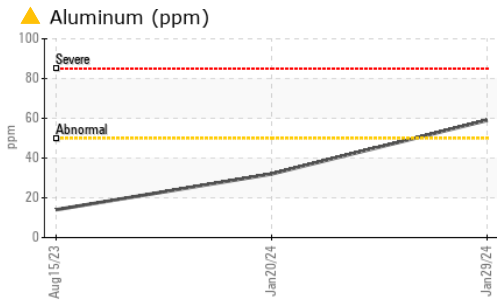
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	8	4	3
Potassium	ppm	ASTM D5185m	>20	5	4	5
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		8	8	6
Boron	ppm	ASTM D5185m		81	86	80
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		1	0	<1
Manganese	ppm	ASTM D5185m		4	2	2
Magnesium	ppm	ASTM D5185m		2	1	1
Calcium	ppm	ASTM D5185m		58	83	63
Phosphorus	ppm	ASTM D5185m		233	229	283
Zinc	ppm	ASTM D5185m		4	9	0
Sulfur	ppm	ASTM D5185m		1333	1139	1234
Visc @ 40°C	cSt	ASTM D445	34	34.3	34.4	35.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0109764 **Received** : 31 Jan 2024
Lab Number : **06076210** **Diagnosed** : 02 Feb 2024
Unique Number : 10858301 **Diagnostician** : Jonathan Hester
Test Package : FLEET

GFL Environmental - 836 - Kansas City Hauling
 7801 East Truman Road
 Kansas City, MO
 US 64126
 Contact: Robert Hart
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 T: (580)461-1509
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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)