



Machine Id
731116
 Component
Transmission (Auto)
 Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0120164	GFL0103301	GFL0083740
Sample Date		Client Info		23 May 2024	16 Jan 2024	08 Jun 2023
Machine Age	hrs	Client Info		7051	6307	5073
Oil Age	hrs	Client Info		0	1200	5073
Filter Age	hrs	Client Info		1200	1200	1200
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	53	42	119
Chromium	ppm	ASTM D5185m	>5	4	<1	<1
Nickel	ppm	ASTM D5185m	>5	2	0	1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	<1	0	0
Aluminum	ppm	ASTM D5185m	>50	8	9	41
Lead	ppm	ASTM D5185m	>50	10	1	7
Copper	ppm	ASTM D5185m	>225	2	6	14
Tin	ppm	ASTM D5185m	>10	1	<1	3
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

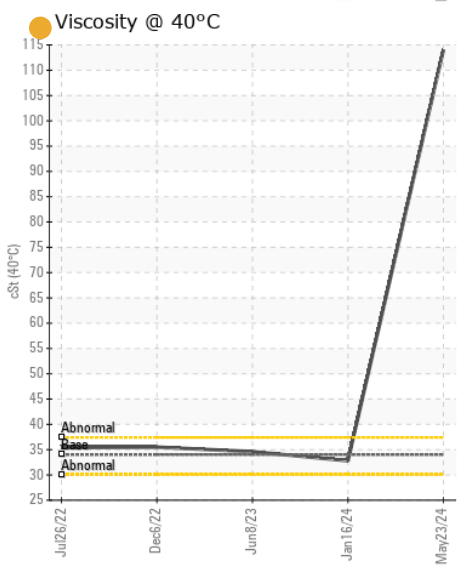
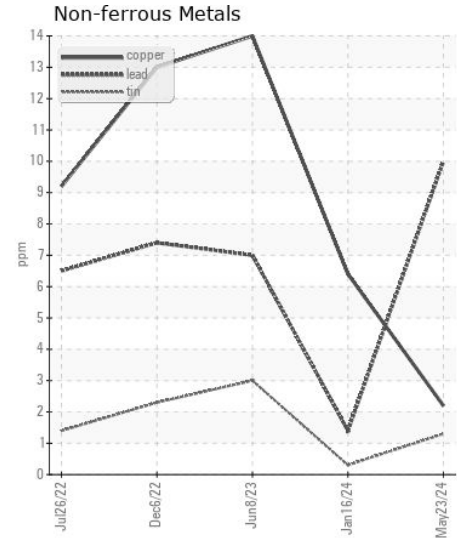
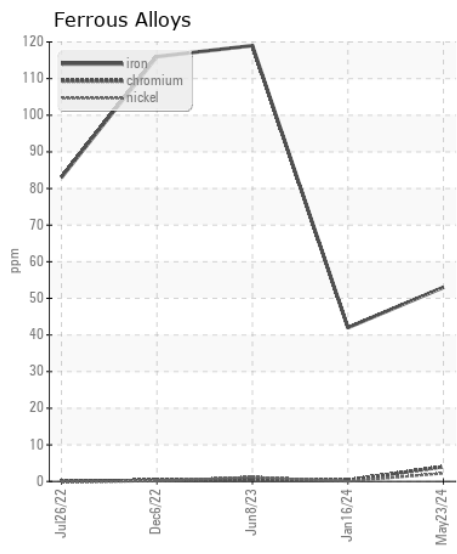
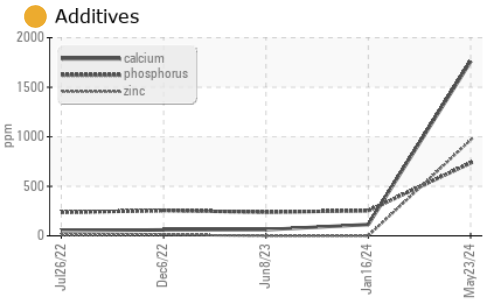
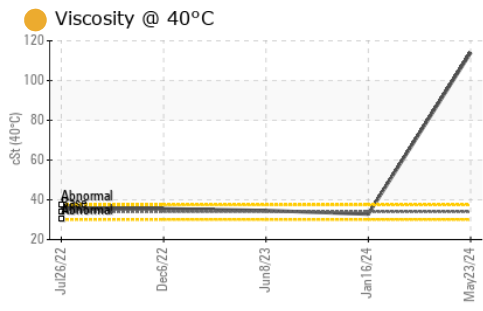
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	19	5	7
Potassium	ppm	ASTM D5185m	>20	3	2	4
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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	NEG	NEG	NEG

FLUID CONDITION

The fluid viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		15	0	9
Boron	ppm	ASTM D5185m		4	88	77
Barium	ppm	ASTM D5185m		0	3	0
Molybdenum	ppm	ASTM D5185m		58	0	<1
Manganese	ppm	ASTM D5185m		2	0	2
Magnesium	ppm	ASTM D5185m		522	<1	1
Calcium	ppm	ASTM D5185m		1760	114	62
Phosphorus	ppm	ASTM D5185m		736	254	239
Zinc	ppm	ASTM D5185m		966	0	0
Sulfur	ppm	ASTM D5185m		3466	1590	1201
Visc @ 40°C	cSt	ASTM D445	34	114	32.8	34.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0120164
Lab Number : 06192627
Unique Number : 11049379
Test Package : FLEET

GFL Environmental - 836 - Kansas City Hauling
 7801 East Truman Road
 Kansas City, MO
 US 64126
 Contact: Loyce Stewart
 loyce.stewart@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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