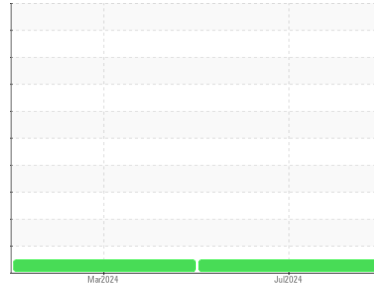# OIL ANALYSIS REPORT

![WearCheck logo]

Sample Rating Trend

NORMAL ✓

Machine Id
913135
Component
Transmission (Auto)
Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (32 QTS)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the fluid.

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		**GFL0121753**	GFL0106793	---
Sample Date	Client Info		**03 Jul 2024**	05 Mar 2024	---
Machine Age	hrs Client Info		**6191**	5075	---
Oil Age	hrs Client Info		**1200**	26448	---
Oil Changed	Client Info		**Changed**	Changed	---
Sample Status			**NORMAL**	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	**NEG**	NEG	---

WEAR METALS

		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>325	**27**	45	---
Chromium	ppm	ASTM D5185m	>2	**0**	0	---
Nickel	ppm	ASTM D5185m	>2	**0**	<1	---
Titanium	ppm	ASTM D5185m	>3	**0**	0	---
Silver	ppm	ASTM D5185m	>5	**0**	0	---
Aluminum	ppm	ASTM D5185m	>75	**15**	26	---
Lead	ppm	ASTM D5185m	>40	**3**	12	---
Copper	ppm	ASTM D5185m	>50	**6**	10	---
Tin	ppm	ASTM D5185m	>10	**2**	4	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
Cadmium	ppm	ASTM D5185m		**0**	0	---

ADDITIVES

		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**71**	64	---
Barium	ppm	ASTM D5185m		**0**	0	---
Molybdenum	ppm	ASTM D5185m		**0**	0	---
Manganese	ppm	ASTM D5185m		**<1**	1	---
Magnesium	ppm	ASTM D5185m		**3**	3	---
Calcium	ppm	ASTM D5185m		**116**	101	---
Phosphorus	ppm	ASTM D5185m		**233**	230	---
Zinc	ppm	ASTM D5185m		**7**	5	---
Sulfur	ppm	ASTM D5185m		**1798**	1986	---

CONTAMINANTS

		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	**3**	4	---
Sodium	ppm	ASTM D5185m		**5**	10	---
Potassium	ppm	ASTM D5185m	>20	**1**	3	---

VISUAL

		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	---
Free Water	scalar	*Visual		**NEG**	NEG	---

OIL ANALYSIS REPORT

Viscosity @ 40°C
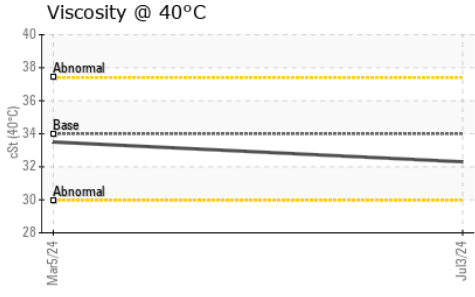
FLUID PROPERTIES

		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	34	**32.3**	33.5	---

SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS

Ferrous Alloys

Non-ferrous Metals

Viscosity @ 40°C
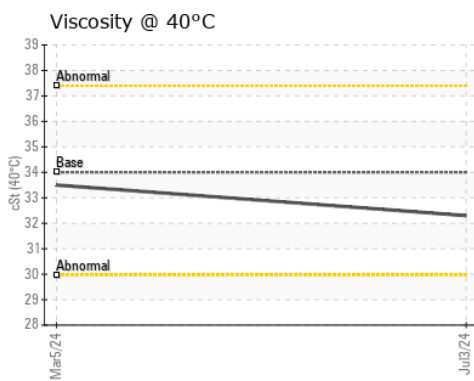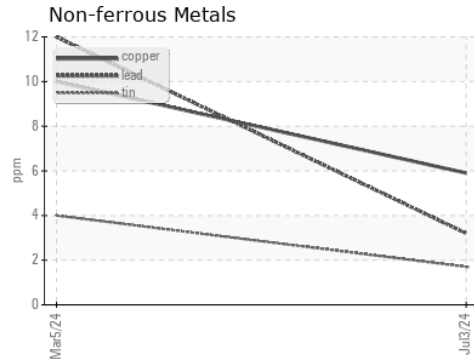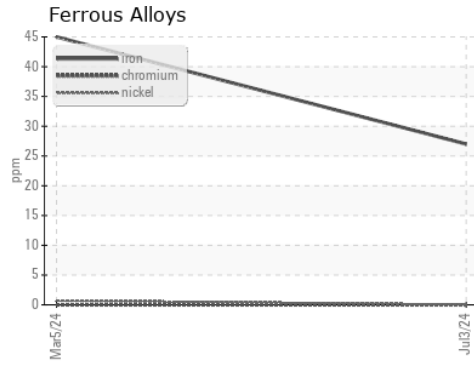
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513		**GFL Environmental - 856 - Houston South**
Sample No. : GFL0121753	**Received** : 05 Jul 2024	8515 Highway 6 South
Lab Number : 06229018	**Tested** : 08 Jul 2024	Houston, TX
Unique Number : 11112511	**Diagnosed** : 08 Jul 2024 - Wes Davis	US 77083
Test Package : FLEET		Contact: Apolinar Zacarias

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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T:
F: