

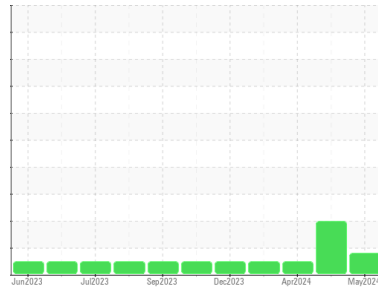


OIL ANALYSIS REPORT



Area
{UNASSIGNED}
 Machine Id
933043
 Component
Transmission (Auto)
 Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (8 GAL)

Sample Rating Trend



SEDIMENT



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of visible silt present in the sample. The water content is negligible.

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	GFL0122211	GFL0122176	GFL0118042
Sample Date	Client Info	31 May 2024	28 May 2024	26 Apr 2024
Machine Age	hrs	2310	2299	2122
Oil Age	hrs	2234	2223	2046
Oil Changed	Client Info	Changed	Not Changd	Not Changd
Sample Status		ABNORMAL	ABNORMAL	NORMAL

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >325	85	81	89
Chromium	ppm ASTM D5185m >2	0	<1	<1
Nickel	ppm ASTM D5185m >2	0	<1	0
Titanium	ppm ASTM D5185m >3	0	0	0
Silver	ppm ASTM D5185m >5	0	0	0
Aluminum	ppm ASTM D5185m >75	17	17	19
Lead	ppm ASTM D5185m >40	16	14	14
Copper	ppm ASTM D5185m >50	17	16	19
Tin	ppm ASTM D5185m >10	1	2	2
Vanadium	ppm ASTM D5185m	<1	<1	0
Cadmium	ppm ASTM D5185m	0	<1	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	44	36	46
Barium	ppm ASTM D5185m	<1	<1	0
Molybdenum	ppm ASTM D5185m	1	2	<1
Manganese	ppm ASTM D5185m	2	2	2
Magnesium	ppm ASTM D5185m	10	11	12
Calcium	ppm ASTM D5185m	145	145	133
Phosphorus	ppm ASTM D5185m	232	230	213
Zinc	ppm ASTM D5185m	55	56	48
Sulfur	ppm ASTM D5185m	1963	1977	1791

CONTAMINANTS

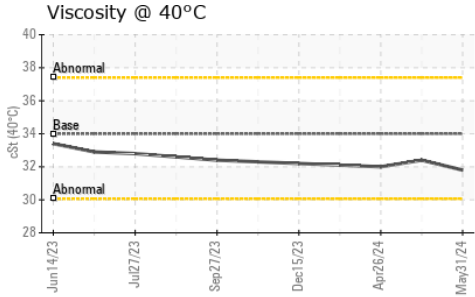
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	6	6	5
Sodium	ppm ASTM D5185m	6	6	6
Potassium	ppm ASTM D5185m >20	4	5	1

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar *Visual NONE	NONE	NONE	NONE
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	▲ MODER	NONE	NONE
Debris	scalar *Visual NONE	NONE	▲ MODER	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	▲ 0.2%	NEG
Free Water	scalar *Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT



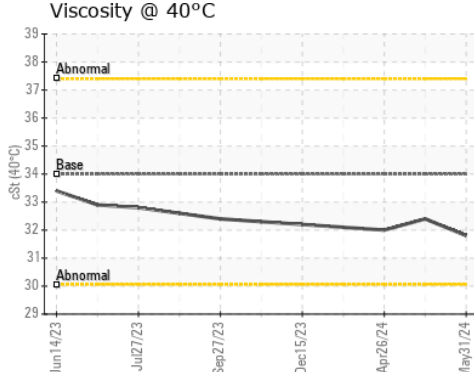
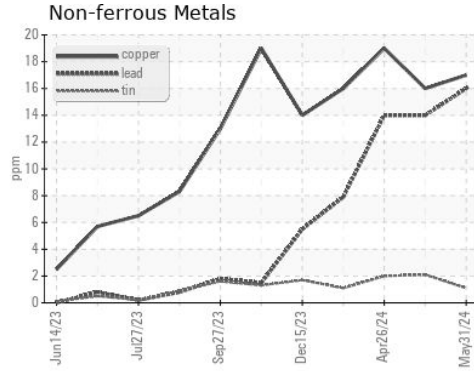
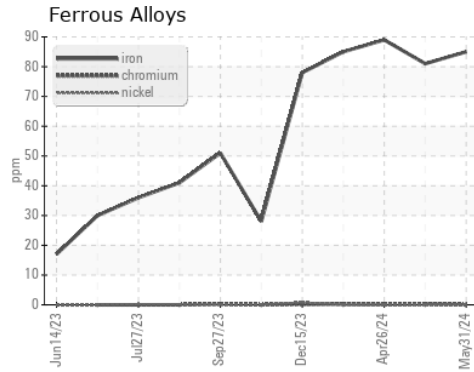
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	31.8	32.4	32.0

SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0122211 **Received** : 03 Jun 2024
Lab Number : **06198074** **Tested** : 04 Jun 2024
Unique Number : 11060197 **Diagnosed** : 05 Jun 2024 - Don Baldrige
Test Package : FLEET

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)

T:
F: