



OIL ANALYSIS REPORT

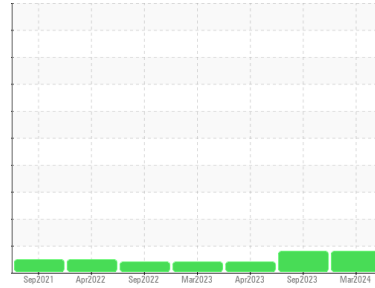
Sample Rating Trend

SEDIMENT

Machine Id
726036-310024

Component
Transmission (Auto)

Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)



DIAGNOSIS

▲ Recommendation

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. The 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.

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	GFL0114030	GFL0090720	GFL0070212
Sample Date	Client Info	15 Mar 2024	28 Sep 2023	05 Apr 2023
Machine Age	hrs	16417	15495	14477
Oil Age	hrs	0	15495	14477
Oil Changed	Client Info	Not Changed	Not Changed	Not Changed
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

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 >160	107	105	133
Chromium	ppm ASTM D5185m >5	<1	0	0
Nickel	ppm ASTM D5185m >5	<1	0	0
Titanium	ppm ASTM D5185m	<1	0	0
Silver	ppm ASTM D5185m >5	0	0	0
Aluminum	ppm ASTM D5185m >50	28	26	39
Lead	ppm ASTM D5185m >50	3	2	3
Copper	ppm ASTM D5185m >225	9	9	9
Tin	ppm ASTM D5185m >10	2	1	2
Vanadium	ppm ASTM D5185m	0	<1	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	64	76	72
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	<1	0	0
Manganese	ppm ASTM D5185m	1	1	2
Magnesium	ppm ASTM D5185m	3	2	7
Calcium	ppm ASTM D5185m	143	114	105
Phosphorus	ppm ASTM D5185m	218	216	237
Zinc	ppm ASTM D5185m	15	0	0
Sulfur	ppm ASTM D5185m	1444	1309	1158

CONTAMINANTS

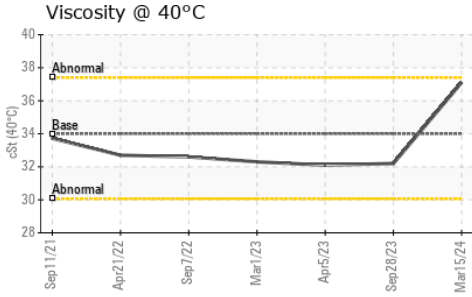
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	11	11	9
Sodium	ppm ASTM D5185m	6	8	7
Potassium	ppm ASTM D5185m >20	4	2	3

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	▲ MODER	NONE
Debris	scalar *Visual NONE	NONE	NONE	▲ MODER
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
Free Water	scalar *Visual	NEG	NEG	NEG



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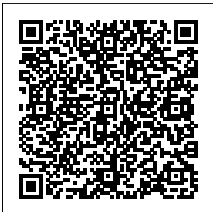
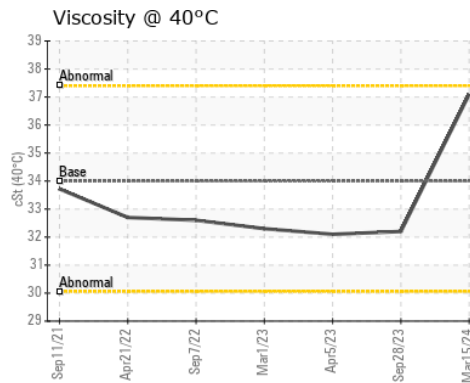
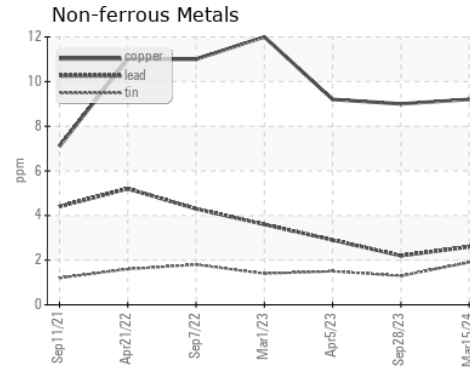
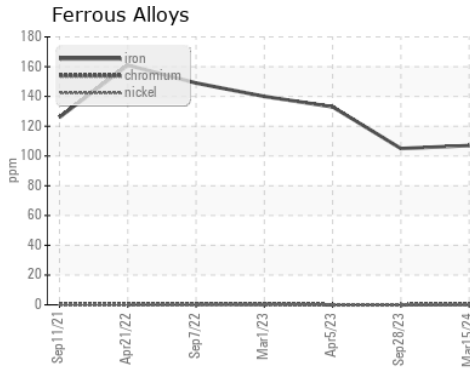
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 34	37.1	32.2	32.1

SAMPLE IMAGES

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0114030 **Received** : 19 Mar 2024
Lab Number : 06122774 **Tested** : 20 Mar 2024
Unique Number : 10936925 **Diagnosed** : 21 Mar 2024 - Don Baldrige
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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