



OIL ANALYSIS REPORT

Sample Rating Trend

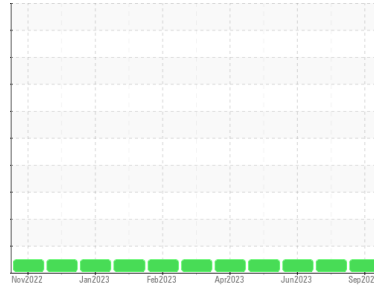
NORMAL



Machine Id
413026

Component
Transmission (Auto)

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



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	GFL0091408	GFL0088774	GFL0082879
Sample Date	Client Info	01 Sep 2023	16 Aug 2023	01 Jun 2023
Machine Age	hrs Client Info	2007	1939	1779
Oil Age	hrs Client Info	2007	760	1779
Oil Changed	Client Info	Changed	Not Changd	Changed
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>160	130	8	99
Chromium ppm ASTM D5185m	>5	<1	0	<1
Nickel ppm ASTM D5185m	>5	<1	0	0
Titanium ppm ASTM D5185m		0	0	0
Silver ppm ASTM D5185m	>5	0	0	0
Aluminum ppm ASTM D5185m	>50	45	0	37
Lead ppm ASTM D5185m	>50	9	10	7
Copper ppm ASTM D5185m	>225	27	<1	21
Tin ppm ASTM D5185m	>10	8	0	7
Vanadium ppm ASTM D5185m		0	0	0
Cadmium ppm ASTM D5185m		0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		48	73	54
Barium ppm ASTM D5185m		<1	2	0
Molybdenum ppm ASTM D5185m		0	<1	9
Manganese ppm ASTM D5185m		3	0	2
Magnesium ppm ASTM D5185m		2	4	91
Calcium ppm ASTM D5185m		123	174	222
Phosphorus ppm ASTM D5185m		201	236	284
Zinc ppm ASTM D5185m		<1	15	129
Sulfur ppm ASTM D5185m		1916	1484	2104

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>20	7	8	7
Sodium ppm ASTM D5185m		8	0	57
Potassium ppm ASTM D5185m	>20	5	2	5

VISUAL

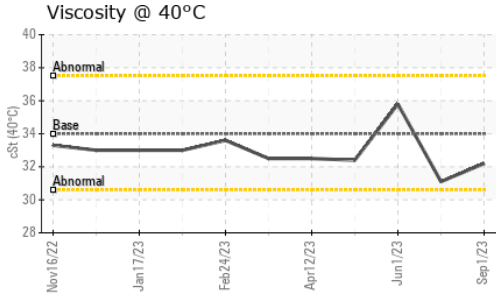
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	NONE	NONE
Yellow Metal scalar *Visual	NONE	NONE	NONE	NONE
Precipitate scalar *Visual	NONE	NONE	NONE	NONE
Silt scalar *Visual	NONE	NONE	NONE	NONE
Debris scalar *Visual	NONE	NONE	NONE	NONE
Sand/Dirt scalar *Visual	NONE	NONE	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
Free Water scalar *Visual		NEG	NEG	NEG

FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	34	32.2	31.1	35.8

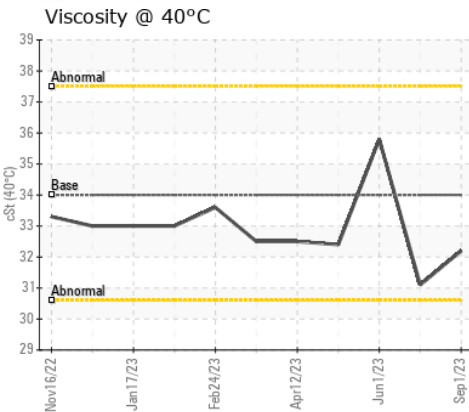
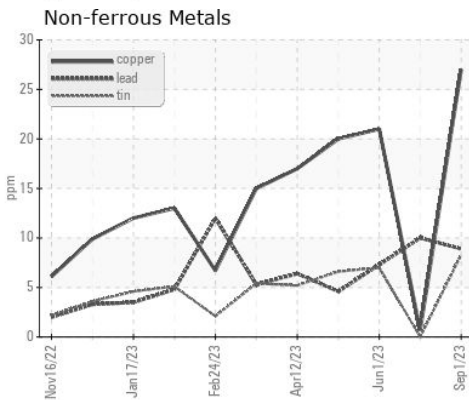
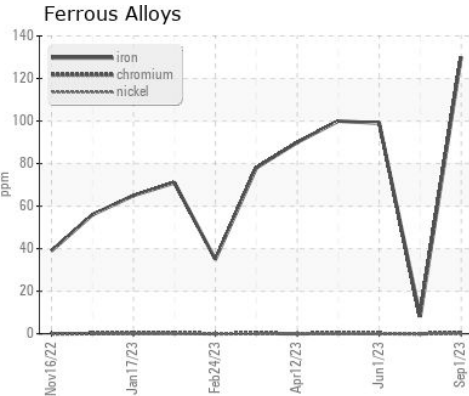


OIL ANALYSIS REPORT



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. : GFL0091408 **Received** : 06 Sep 2023
Lab Number : **05944010** **Diagnosed** : 08 Sep 2023
Unique Number : 10634622 **Diagnostician** : Sean Felton
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: