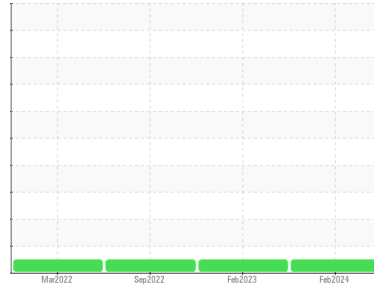




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
420061

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 AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	GFL0099563	GFL0070732	GFL0057762	
Sample Date	Client Info	07 Feb 2024	28 Feb 2023	13 Sep 2022	
Machine Age	hrs	Client Info	5257	3946	3014
Oil Age	hrs	Client Info	1320	946	1161
Oil Changed	Client Info	Changed	Changed	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184* >50	3	7	---
Iron	ppm ASTM D5185(m) >160	154	121	113
Chromium	ppm ASTM D5185(m) >5	<1	<1	<1
Nickel	ppm ASTM D5185(m) >5	<1	<1	<1
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m) >5	0	0	0
Aluminum	ppm ASTM D5185(m) >50	35	26	22
Lead	ppm ASTM D5185(m) >50	9	8	8
Copper	ppm ASTM D5185(m) >225	13	10	9
Tin	ppm ASTM D5185(m) >10	3	2	2
Antimony	ppm ASTM D5185(m)	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 78	88	94	96
Barium	ppm ASTM D5185(m)	<1	<1	1
Molybdenum	ppm ASTM D5185(m) 0	0	<1	<1
Manganese	ppm ASTM D5185(m)	3	3	3
Magnesium	ppm ASTM D5185(m) 0	<1	<1	<1
Calcium	ppm ASTM D5185(m) 113	63	58	50
Phosphorus	ppm ASTM D5185(m) 222	258	273	268
Zinc	ppm ASTM D5185(m)	7	6	6
Sulfur	ppm ASTM D5185(m) 1326	852	785	715
Lithium	ppm ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

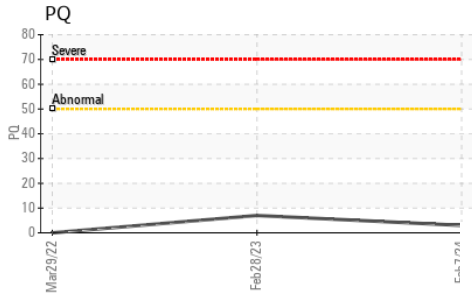
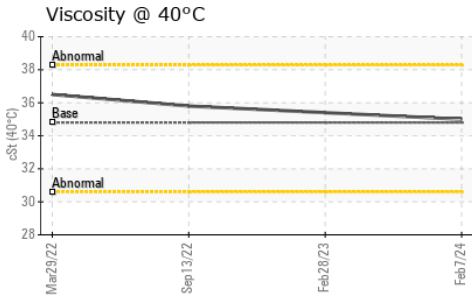
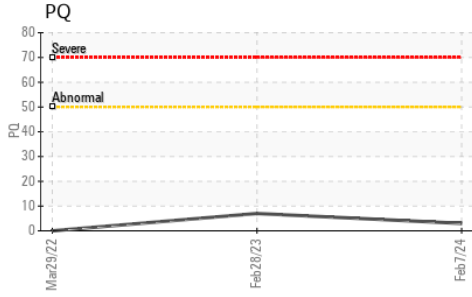
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >20	8	8	7
Sodium	ppm ASTM D5185(m)	11	7	7
Potassium	ppm ASTM D5185(m) >20	4	3	4

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974* 1.4	0.99	0.85	1.15



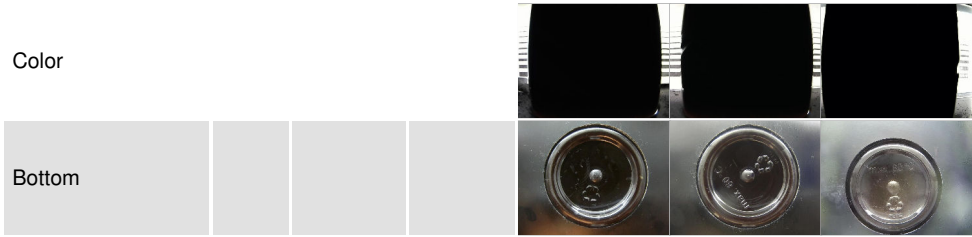
OIL ANALYSIS REPORT



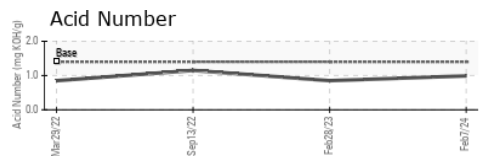
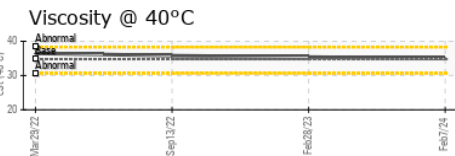
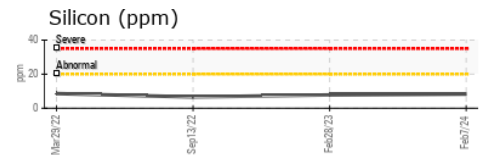
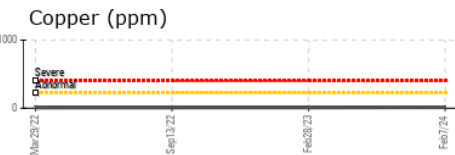
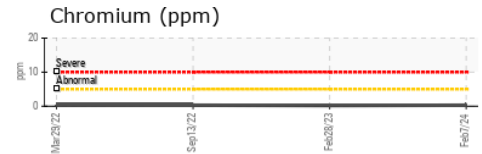
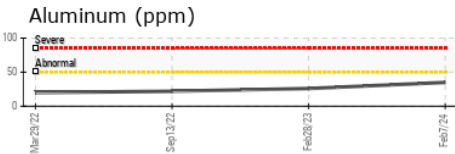
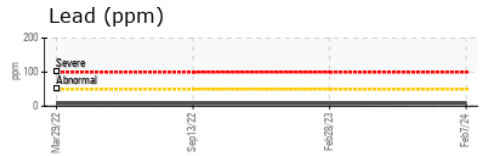
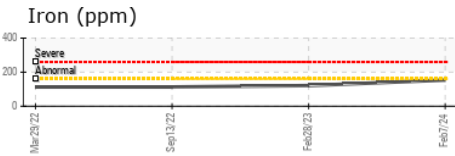
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	35.0	35.4

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0099563 **Received** : 13 Feb 2024
Lab Number : **02615413** **Tested** : 14 Feb 2024
Unique Number : 5724508 **Diagnosed** : 14 Feb 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: PQ, TAN Man)

GFL Environmental - 550 - Rocky View County
 220 Carmek Blvd
 Rocky View County, AB
 CA T1X 1X1
 Contact: GFL Calgary
 calgarymaintenance@gflenv.com
 T:
 F: (403)369-6163

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.