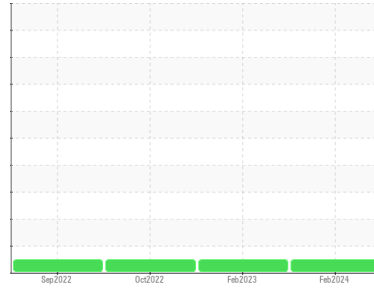




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
831051
 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

The water content is negligible. 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		GFL0112413	GFL0070723	GFL0060200
Sample Date	Client Info		14 Feb 2024	23 Feb 2023	13 Oct 2022
Machine Age	hrs	Client Info	3216	1723	1067
Oil Age	hrs	Client Info	1495	648	1067
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
PQ	ASTM D8184*	>75	0	0	0	
Iron	ppm	ASTM D5185(m)	>220	77	68	64
Chromium	ppm	ASTM D5185(m)	>2	<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)	>75	26	21	13
Lead	ppm	ASTM D5185(m)	>95	10	11	11
Copper	ppm	ASTM D5185(m)	>60	22	23	24
Tin	ppm	ASTM D5185(m)	>10	3	2	2
Antimony	ppm	ASTM D5185(m)	>2	0	0	<1
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	92	116	131
Barium	ppm	ASTM D5185(m)		<1	<1	1
Molybdenum	ppm	ASTM D5185(m)	0	<1	1	1
Manganese	ppm	ASTM D5185(m)		1	2	3
Magnesium	ppm	ASTM D5185(m)	0	2	1	2
Calcium	ppm	ASTM D5185(m)	113	134	148	160
Phosphorus	ppm	ASTM D5185(m)	222	285	368	399
Zinc	ppm	ASTM D5185(m)		33	33	45
Sulfur	ppm	ASTM D5185(m)	1326	1793	2039	2087
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

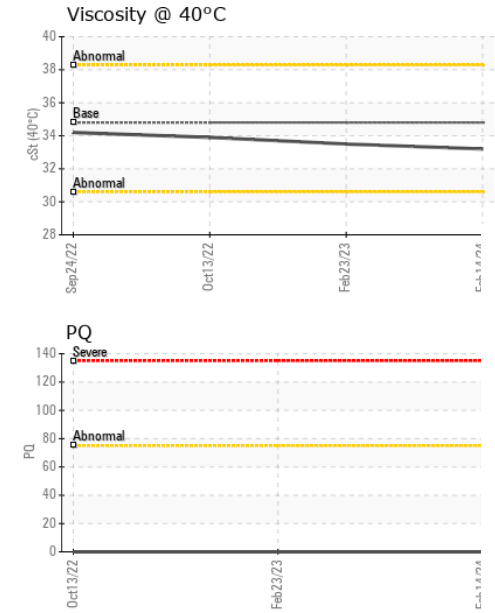
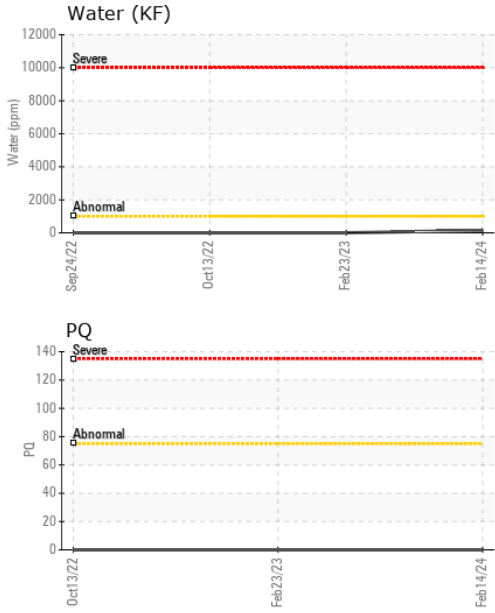
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	5	6	8
Sodium	ppm	ASTM D5185(m)		9	11	12
Potassium	ppm	ASTM D5185(m)	>20	3	3	4
Water	%	ASTM D6304*	>0.1	0.014	---	---
ppm Water	ppm	ASTM D6304*	>1000	146	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	1.18	1.24	1.43



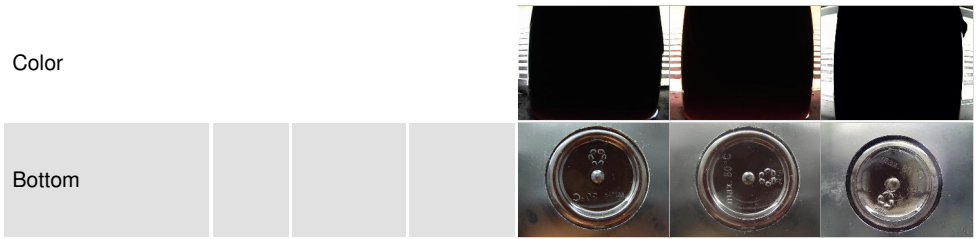
OIL ANALYSIS REPORT



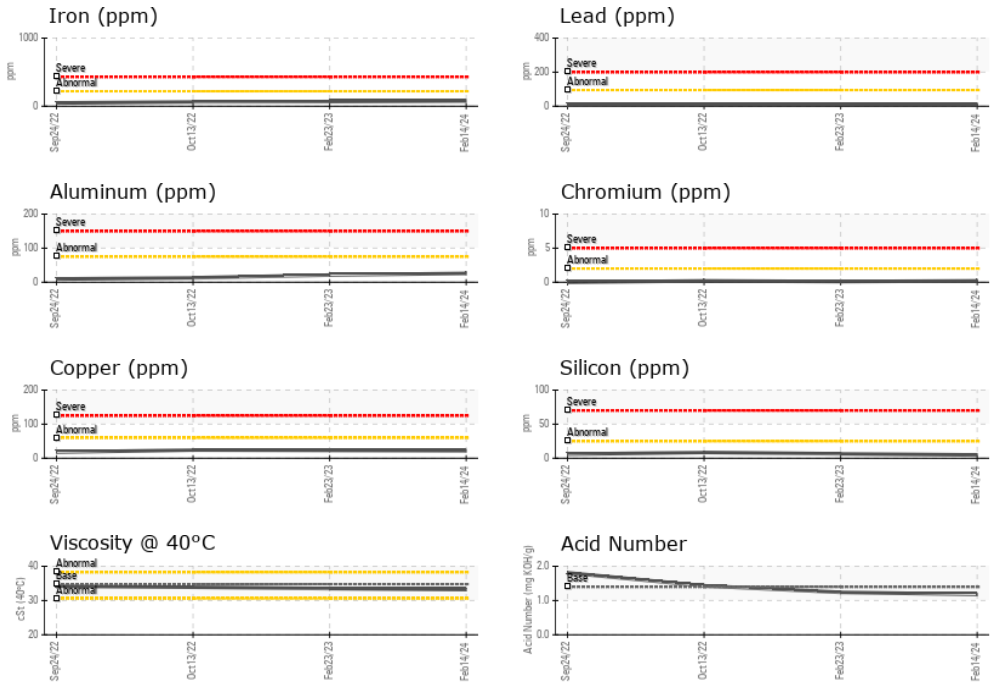
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	.2%	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	33.2	33.5

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. : GFL0112413 **Received** : 21 Feb 2024
Lab Number : 02617162 **Tested** : 23 Feb 2024
Unique Number : 5734272 **Diagnosed** : 23 Feb 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KF, PQ)

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.