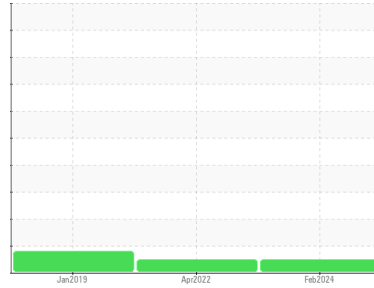




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
4535
 Component
Transmission (Auto)
 Fluid
ALLISON TES 295 (--- 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		GFL0112429	GFL0049118	GFL31611099
Sample Date	Client Info		19 Feb 2024	14 Apr 2022	15 Jan 2019
Machine Age	hrs	Client Info	10539	0	7449
Oil Age	hrs	Client Info	0	1556	3000
Oil Changed	Client Info		Changed	N/A	N/A
Sample Status			NORMAL	NORMAL	MARGINAL

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*	>105	0	1	---
Iron	ppm	ASTM D5185(m) >230	71	70	82
Chromium	ppm	ASTM D5185(m) >2	<1	<1	0
Nickel	ppm	ASTM D5185(m) >5	<1	<1	0
Titanium	ppm	ASTM D5185(m) >2	0	0	0
Silver	ppm	ASTM D5185(m) >5	0	0	0
Aluminum	ppm	ASTM D5185(m) >65	17	15	16
Lead	ppm	ASTM D5185(m) >55	17	20	▲ 30
Copper	ppm	ASTM D5185(m) >85	23	21	26
Tin	ppm	ASTM D5185(m) >5	<1	<1	1
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	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 150	88	102	88
Barium	ppm	ASTM D5185(m) 0	<1	<1	2
Molybdenum	ppm	ASTM D5185(m) 0	0	0	0
Manganese	ppm	ASTM D5185(m)	2	3	---
Magnesium	ppm	ASTM D5185(m) 0	<1	0	1
Calcium	ppm	ASTM D5185(m) 40	48	40	31
Phosphorus	ppm	ASTM D5185(m) 320	218	248	231
Zinc	ppm	ASTM D5185(m) 5	8	8	10
Sulfur	ppm	ASTM D5185(m) 1050	519	406	---
Lithium	ppm	ASTM D5185(m)	<1	<1	1

CONTAMINANTS

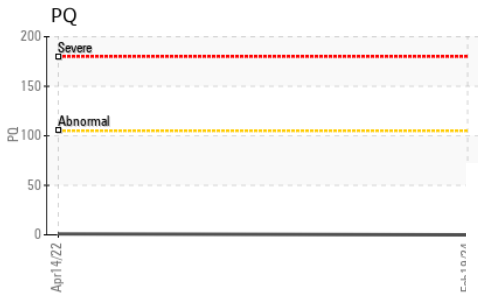
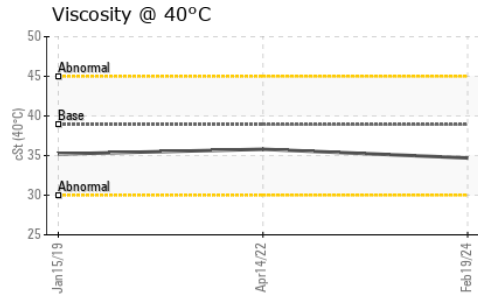
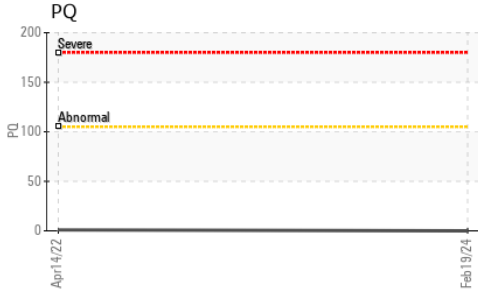
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	4	5	5
Sodium	ppm	ASTM D5185(m)	4	3	6
Potassium	ppm	ASTM D5185(m) >20	2	2	3

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 1.0	1.01	0.91	---



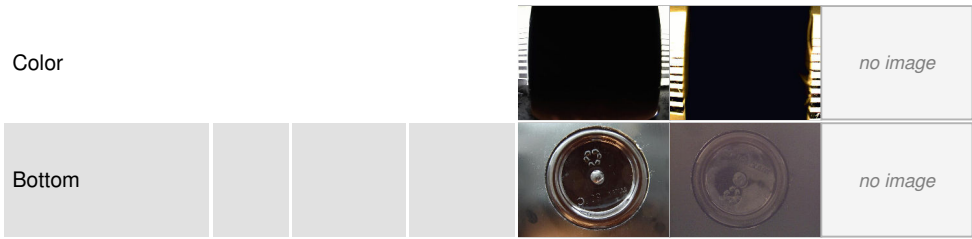
OIL ANALYSIS REPORT



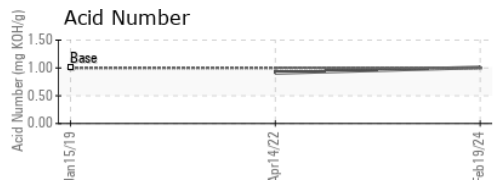
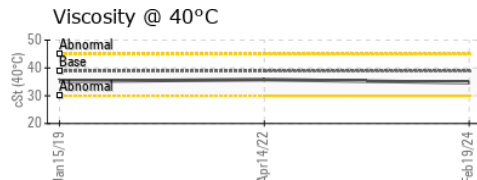
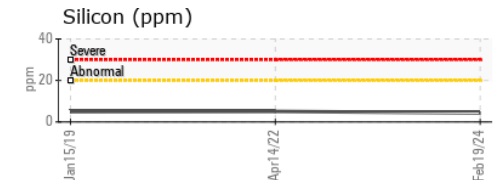
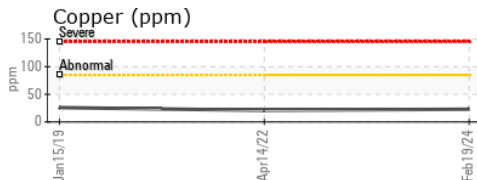
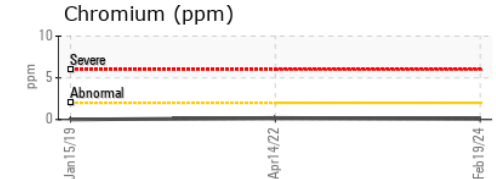
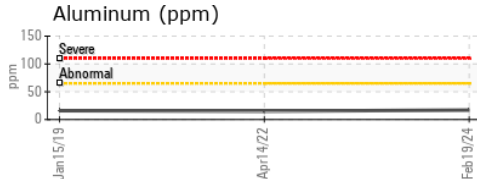
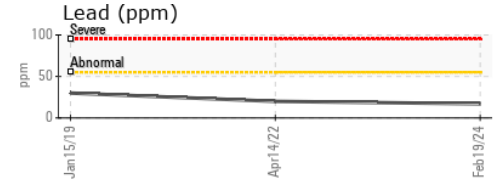
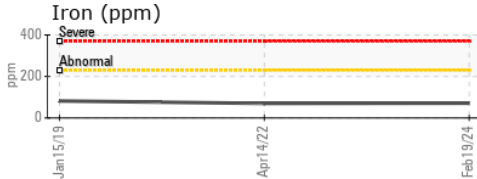
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	34.7	35.8	35.2

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. : GFL0112429
Lab Number : 02618736
Unique Number : 5735846
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

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.

T:
 F: (403)369-6163