



WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	ABNORMAL

Machine Id
351189
 Component
Gasoline Engine
 Fluid
SAE 5W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0119039	GFL0119020	---
Sample Date		Client Info		21 Jun 2024	17 Jun 2024	---
Machine Age	kms	Client Info		116877	4031	---
Oil Age	kms	Client Info		0	0	---
Filter Age	kms	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>150	72	21	---
Chromium	ppm	ASTM D5185(m)	>20	2	1	---
Nickel	ppm	ASTM D5185(m)	>5	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>2	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>40	7	4	---
Lead	ppm	ASTM D5185(m)	>50	0	0	---
Copper	ppm	ASTM D5185(m)	>155	2	20	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

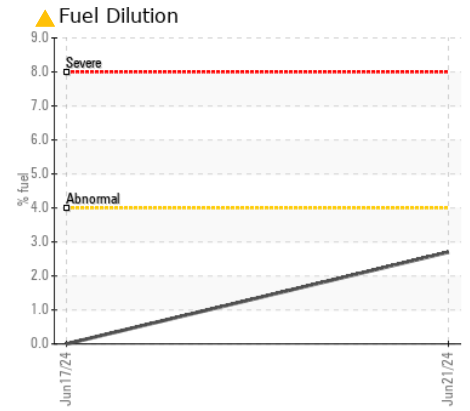
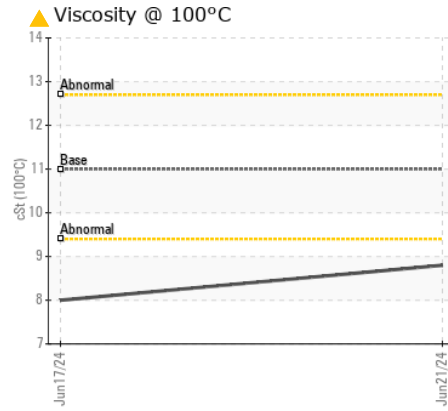
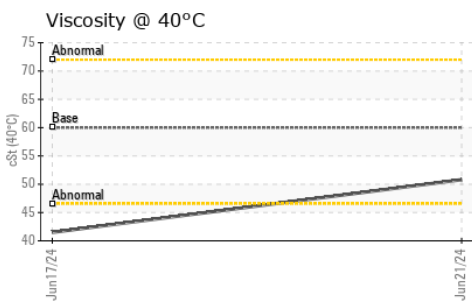
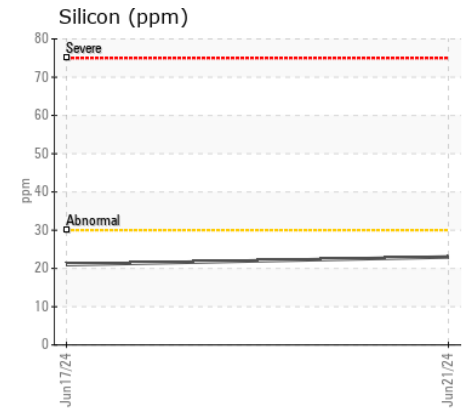
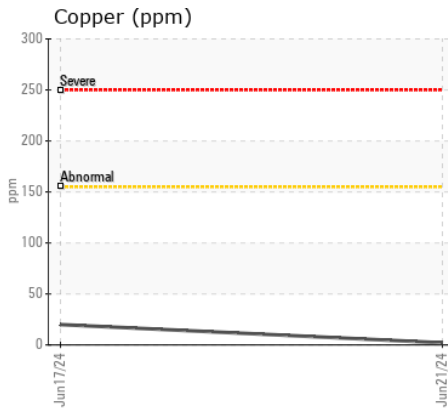
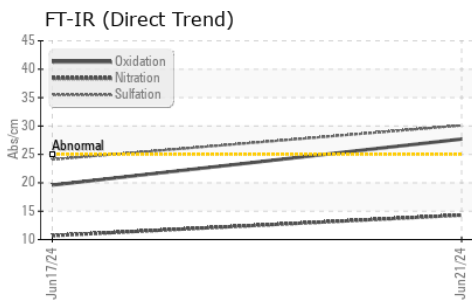
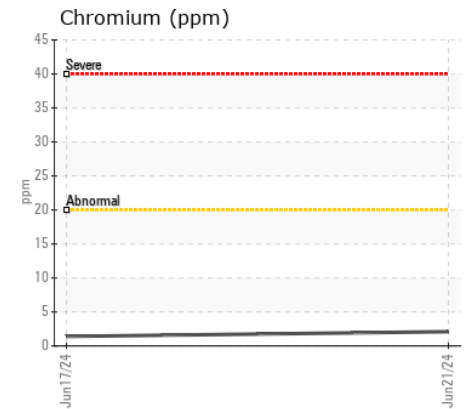
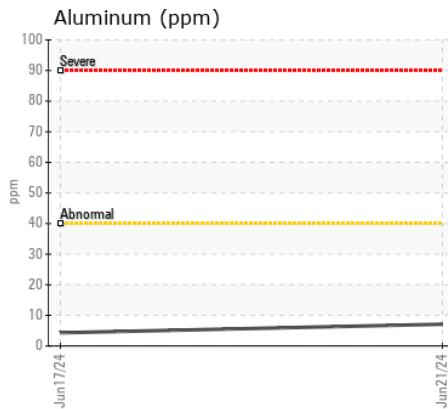
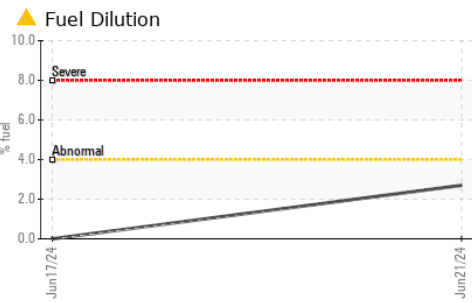
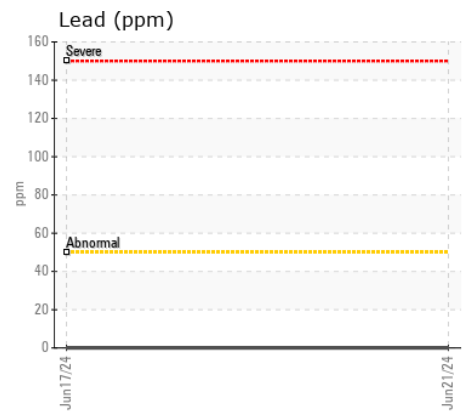
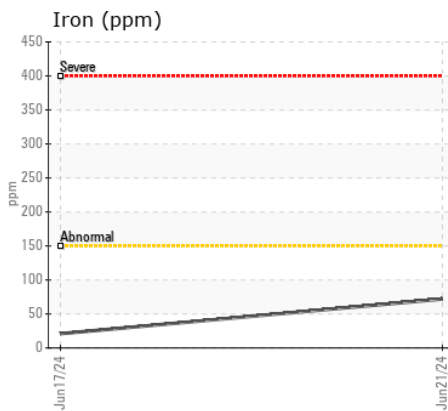
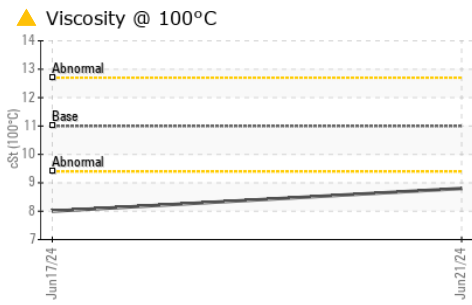
Light fuel dilution occurring.

Silicon	ppm	ASTM D5185(m)	>30	23	21	---
Potassium	ppm	ASTM D5185(m)	>20	2	<1	---
Fuel	%	ASTM D7593*	>4.0	▲ 2.7	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	14.3	10.7	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	30.1	24.1	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

Fuel is present in the oil and is lowering the viscosity. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>400	3	2	---
Boron	ppm	ASTM D5185(m)		8	19	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		71	263	---
Manganese	ppm	ASTM D5185(m)		1	2	---
Magnesium	ppm	ASTM D5185(m)		430	492	---
Calcium	ppm	ASTM D5185(m)		1108	1302	---
Phosphorus	ppm	ASTM D5185(m)		618	634	---
Zinc	ppm	ASTM D5185(m)		719	774	---
Sulfur	ppm	ASTM D5185(m)		1753	1660	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	27.7	19.6	---
Visc @ 40°C	cSt	ASTM D7279(m)	60.0	50.8	41.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	▲ 8.8	8.0	---
Viscosity Index (VI)	Scale	ASTM D2270*	177	152	168	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0119039 **Received** : 25 Jun 2024
Lab Number : 02643982 **Tested** : 26 Jun 2024
Unique Number : 5801521 **Diagnosed** : 26 Jun 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, KV40, PercentFuel, VI)

GFL Environmental - 554 - Edmonton SW
 8409 -15th Street NW
 Edmonton, AB
 CA T6P 0B8
 Contact: Tim Greig
 tgreig@gflenv.com
 T: (780)231-0521
 F:

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.