



OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

219003

Component

Natural Gas Engine

Fluid

MOBIL 1 FS 0W40 (--- GAL)

DIAGNOSIS

Recommendation

The component was not specified, however we determined the component was a natural gas engine based on the type of fluid used. Please specify component type with your next sample. 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 oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0117125	---	---
Sample Date	Client Info		04 Jun 2024	---	---
Machine Age	hrs	Client Info	2551	---	---
Oil Age	hrs	Client Info	600	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >50	90	---	---
Chromium	ppm	ASTM D5185(m) >4	<1	---	---
Nickel	ppm	ASTM D5185(m) >2	0	---	---
Titanium	ppm	ASTM D5185(m)	1	---	---
Silver	ppm	ASTM D5185(m) >3	0	---	---
Aluminum	ppm	ASTM D5185(m) >9	9	---	---
Lead	ppm	ASTM D5185(m) >30	0	---	---
Copper	ppm	ASTM D5185(m) >35	2	---	---
Tin	ppm	ASTM D5185(m) >4	0	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	46	---	---
Barium	ppm	ASTM D5185(m)	0	---	---
Molybdenum	ppm	ASTM D5185(m)	76	---	---
Manganese	ppm	ASTM D5185(m)	<1	---	---
Magnesium	ppm	ASTM D5185(m)	26	---	---
Calcium	ppm	ASTM D5185(m)	2137	---	---
Phosphorus	ppm	ASTM D5185(m)	989	---	---
Zinc	ppm	ASTM D5185(m)	1129	---	---
Sulfur	ppm	ASTM D5185(m)	3065	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >+100	7	---	---
Sodium	ppm	ASTM D5185(m)	2	---	---
Potassium	ppm	ASTM D5185(m) >20	1	---	---

INFRA-RED

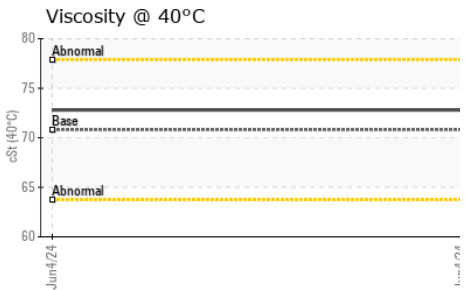
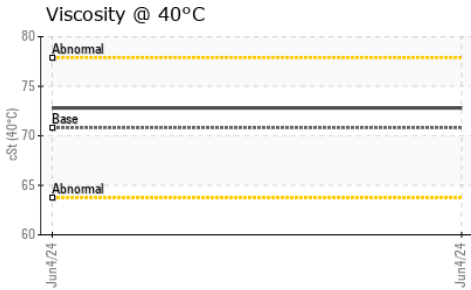
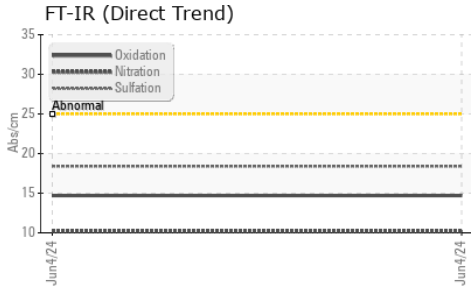
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	0.1	---	---
Nitration	Abs/cm	ASTM D7624* >20	10.2	---	---
Sulfation	Abs/.1mm	ASTM D7415* >30	18.4	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414* >25	14.7	---	---



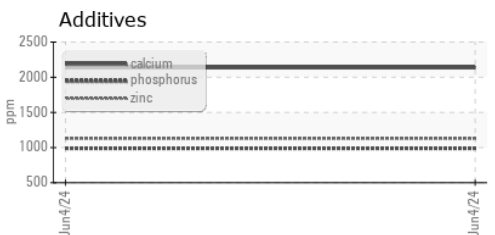
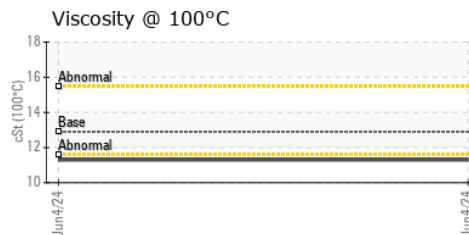
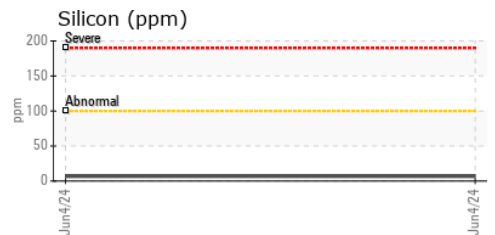
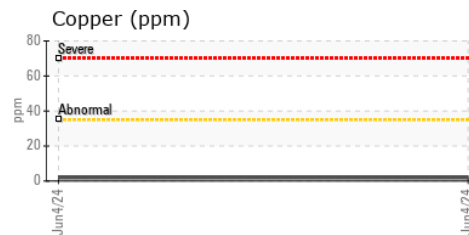
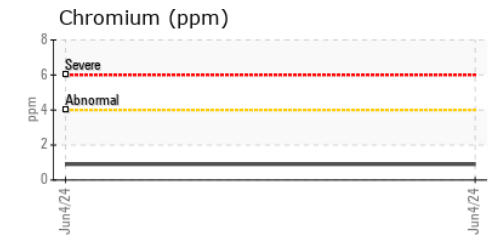
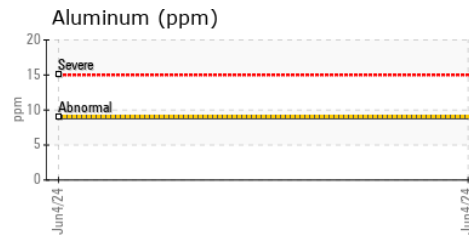
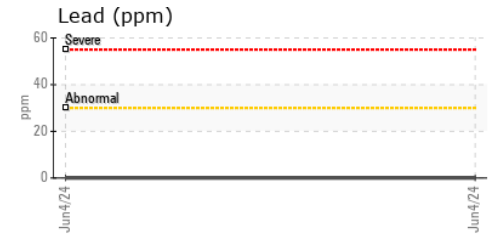
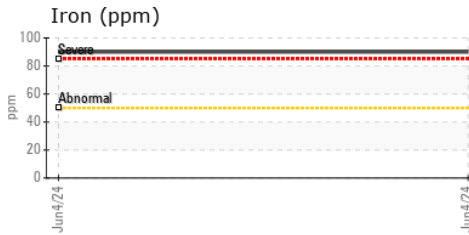
OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	70.8	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.9	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	186	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0117125
Lab Number : 02640749
Unique Number : 5789911
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

GFL Environmental - 209 - Hamilton
 560 Seaman Street
 Stoney Creek, ON
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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.