

Machine Id
233000
Component
Natural Gas Engine
Fluid
IRVING 15W40 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0051756	---	---
Sample Date		Client Info		26 Apr 2024	---	---
Machine Age	hrs	Client Info		141	---	---
Oil Age	hrs	Client Info		141	---	---
Filter Age	hrs	Client Info		141	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

WEAR

Metal levels are typical for a components first oil change.

Iron	ppm	ASTM D5185(m)	>50	36	---	---
Chromium	ppm	ASTM D5185(m)	>4	<1	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>9	5	---	---
Lead	ppm	ASTM D5185(m)	>30	1	---	---
Copper	ppm	ASTM D5185(m)	>35	19	---	---
Tin	ppm	ASTM D5185(m)	>4	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

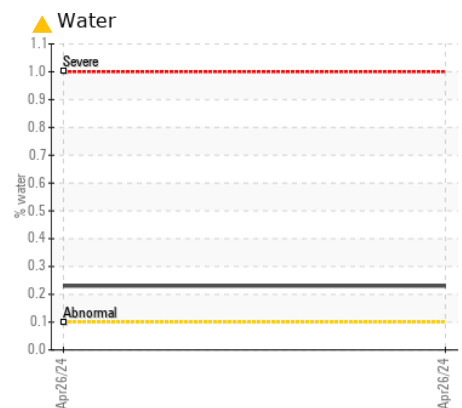
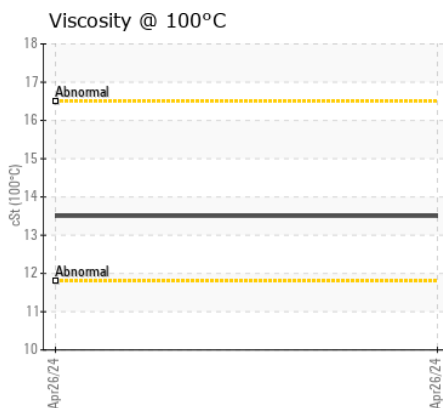
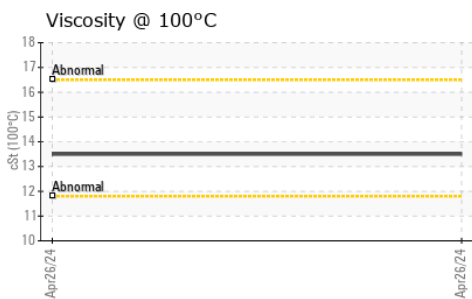
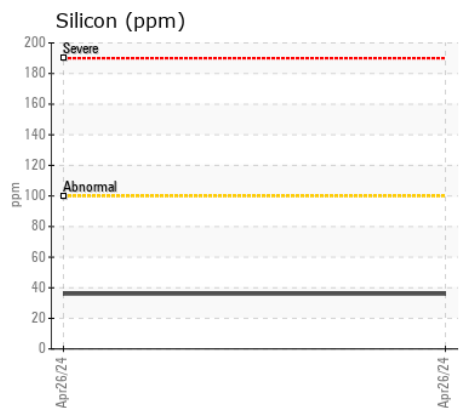
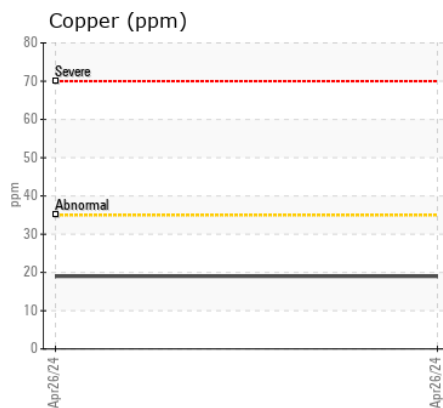
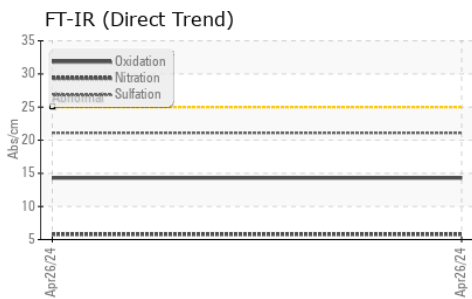
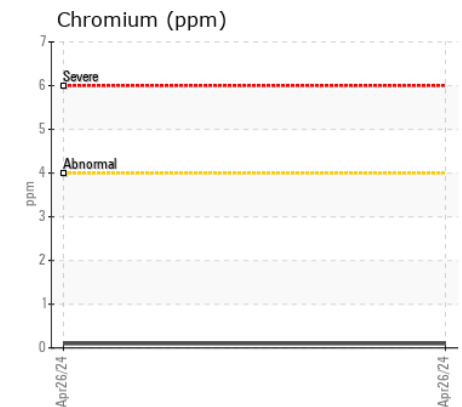
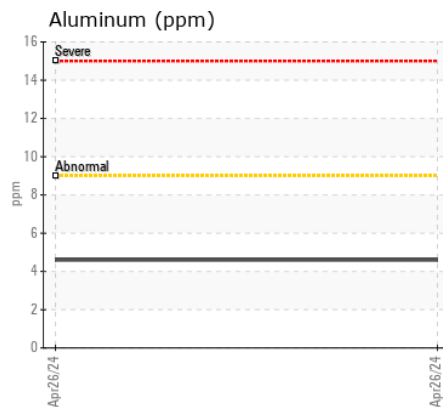
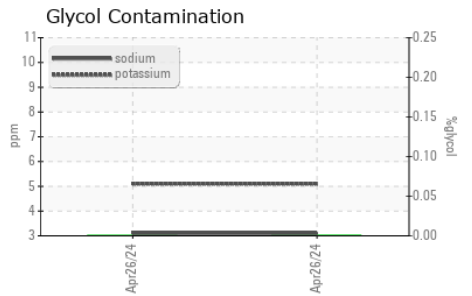
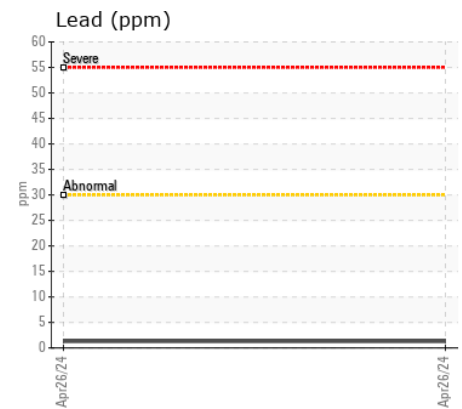
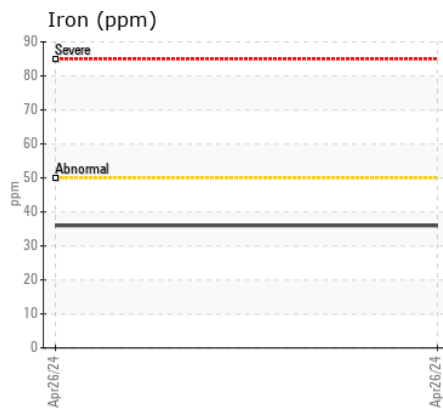
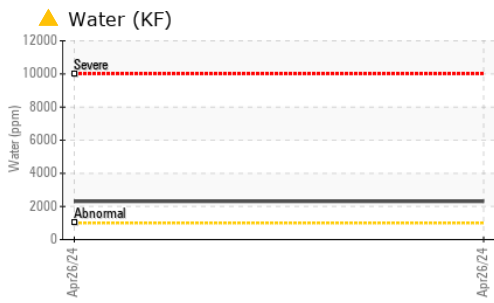
There is a moderate concentration of water present in the oil. Test for glycol is negative.

Silicon	ppm	ASTM D5185(m)	>+100	36	---	---
Potassium	ppm	ASTM D5185(m)	>20	5	---	---
Water	%	ASTM D6304*	>0.1	▲ 0.230	---	---
ppm Water	ppm	ASTM D6304*	>1000	▲ 2307	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	5.8	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.1	---	---
Emulsified Water	scalar	Visual*	>0.1	▲ .2%	---	---

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)	>101	3	---	---
Boron	ppm	ASTM D5185(m)		62	---	---
Barium	ppm	ASTM D5185(m)		3	---	---
Molybdenum	ppm	ASTM D5185(m)		100	---	---
Manganese	ppm	ASTM D5185(m)		12	---	---
Magnesium	ppm	ASTM D5185(m)		602	---	---
Calcium	ppm	ASTM D5185(m)		1162	---	---
Phosphorus	ppm	ASTM D5185(m)		664	---	---
Zinc	ppm	ASTM D5185(m)		758	---	---
Sulfur	ppm	ASTM D5185(m)		2404	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.3	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		13.5	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0051756
Lab Number : 02631840
Unique Number : 5772993
Test Package : MOB 1 (Additional Tests: Glycol, KF)

GFL Environmental - 850 - Halifax
 20 SIMMONDS DRIVE
 DARTMOUTH, NS
 CA B3B 1R3
 Contact: Tony Yates
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 T: (902)468-5551
 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.*