



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
731021
Component
Natural Gas Engine
Fluid
CASTROL 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0100769	GFL0100756	GFL0079578
Sample Date		Client Info		26 Jun 2024	05 Dec 2023	24 Jun 2023
Machine Age	kms	Client Info		131353	114513	6056
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	17	11	11
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>9	2	2	2
Lead	ppm	ASTM D5185(m)	>30	0	2	7
Copper	ppm	ASTM D5185(m)	>35	1	2	2
Tin	ppm	ASTM D5185(m)	>4	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

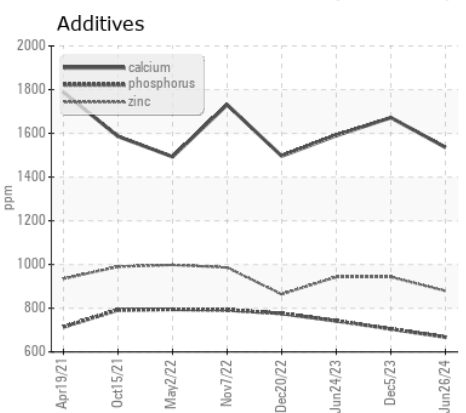
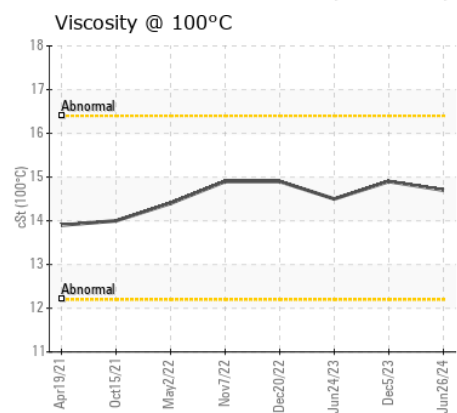
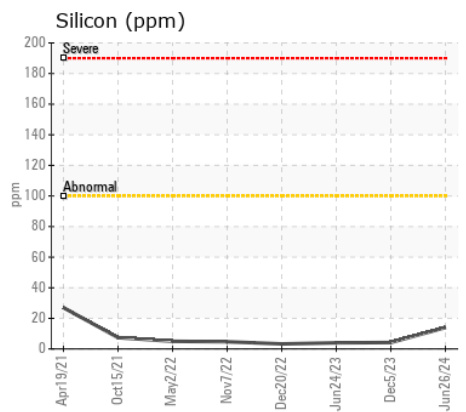
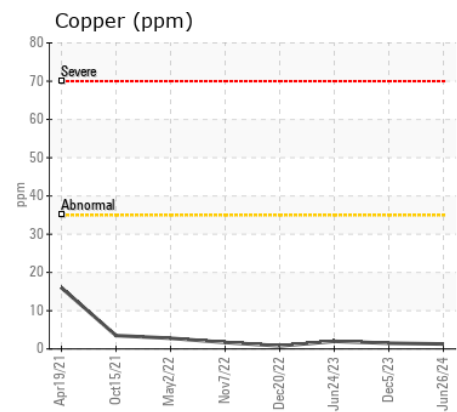
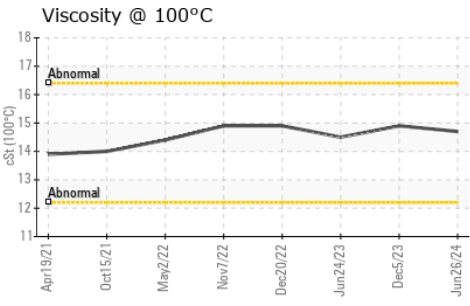
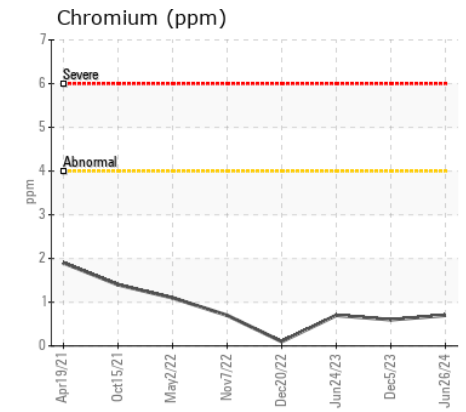
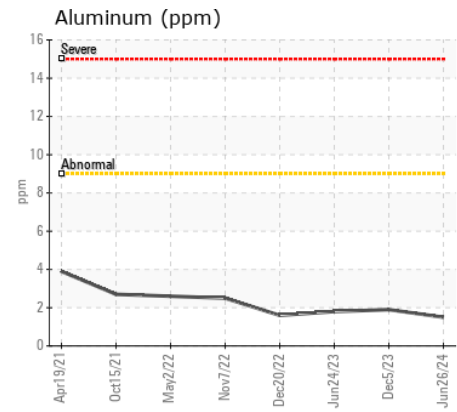
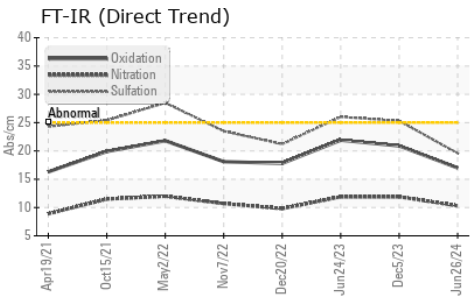
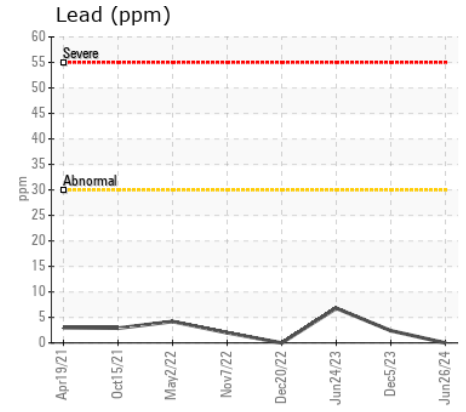
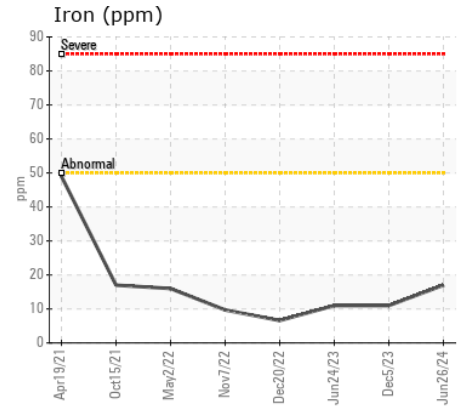
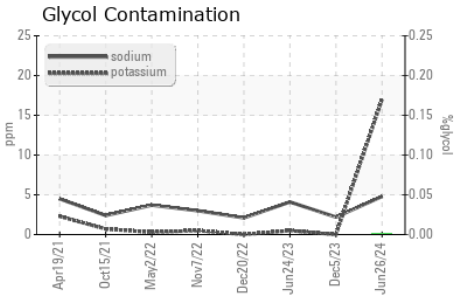
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	14	4	4
Potassium	ppm	ASTM D5185(m)	>20	17	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	10.3	11.9	11.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.6	25.3	26.0
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>406	5	2	4
Boron	ppm	ASTM D5185(m)		11	7	6
Barium	ppm	ASTM D5185(m)		3	<1	0
Molybdenum	ppm	ASTM D5185(m)		50	54	54
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)		528	555	585
Calcium	ppm	ASTM D5185(m)		1536	1672	1590
Phosphorus	ppm	ASTM D5185(m)		668	705	742
Zinc	ppm	ASTM D5185(m)		879	943	943
Sulfur	ppm	ASTM D5185(m)		1980	1981	1941
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.0	20.9	21.9
Visc @ 100°C	cSt	ASTM D7279(m)		14.7	14.9	14.5



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0100769
Lab Number : 02645130
Unique Number : 5802669
Test Package : MOB 1 (Additional Tests: Glycol)

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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.*