



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
933016
Component
Natural Gas Engine
Fluid
DIESEL ENGINE OIL SAE 40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0102919	---	---
Sample Date		Client Info		12 Apr 2023	---	---
Machine Age	hrs	Client Info		2021	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	22	---	---
Chromium	ppm	ASTM D5185(m)	>5	1	---	---
Nickel	ppm	ASTM D5185(m)	>4	1	---	---
Titanium	ppm	ASTM D5185(m)	>5	0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	6	---	---
Lead	ppm	ASTM D5185(m)	>40	1	---	---
Copper	ppm	ASTM D5185(m)	>150	2	---	---
Tin	ppm	ASTM D5185(m)	>4	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

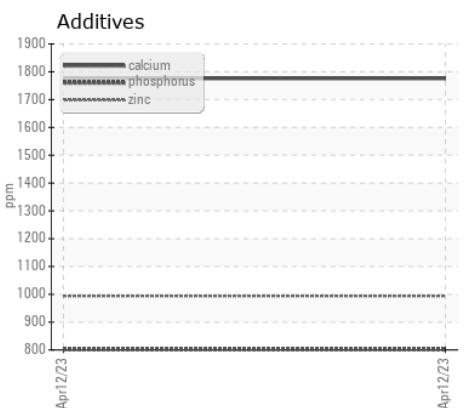
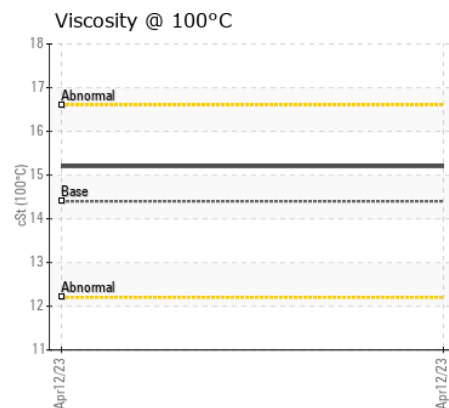
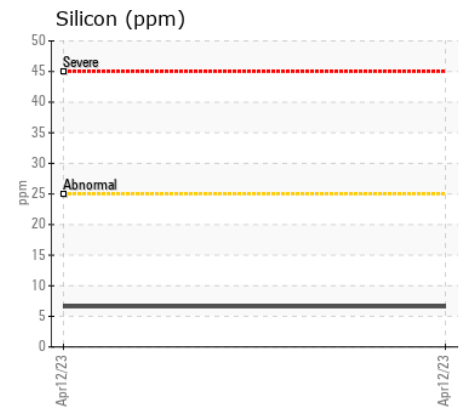
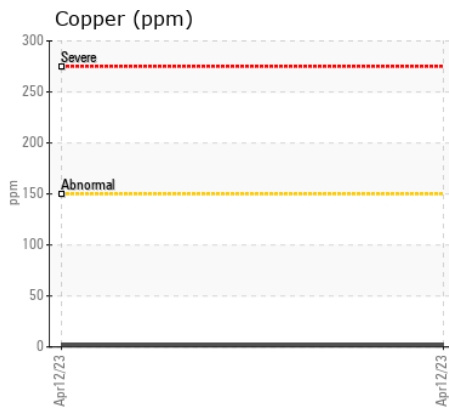
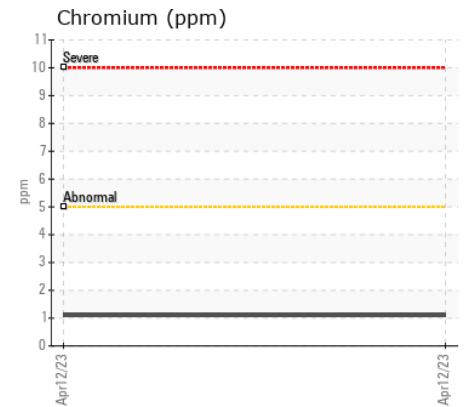
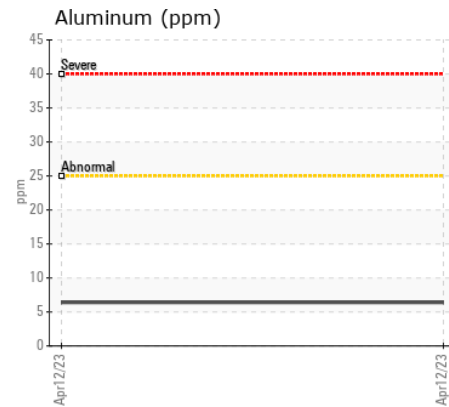
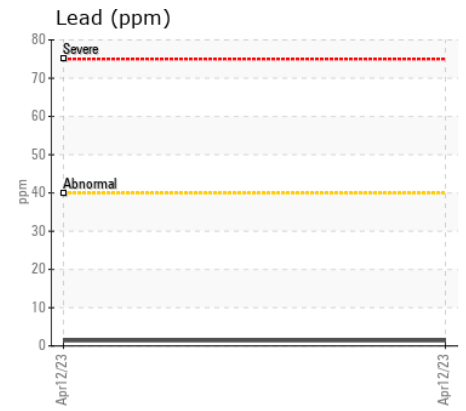
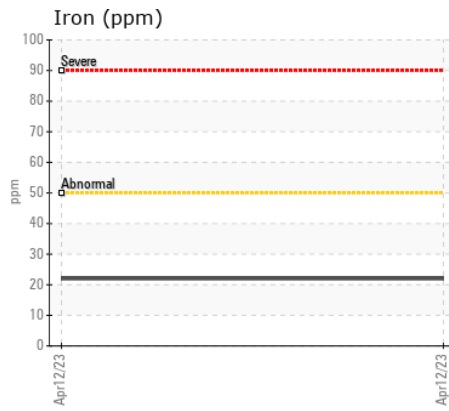
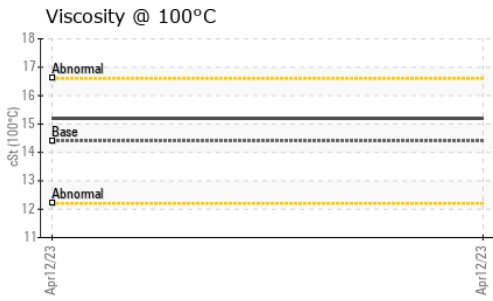
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	7	---	---
Potassium	ppm	ASTM D5185(m)	>20	3	---	---
Water		WC Method	>0.1	NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	12.9	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.9	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>216	8	---	---
Boron	ppm	ASTM D5185(m)	250	11	---	---
Barium	ppm	ASTM D5185(m)	10	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	100	59	---	---
Manganese	ppm	ASTM D5185(m)		2	---	---
Magnesium	ppm	ASTM D5185(m)	450	650	---	---
Calcium	ppm	ASTM D5185(m)	3000	1776	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	802	---	---
Zinc	ppm	ASTM D5185(m)	1350	994	---	---
Sulfur	ppm	ASTM D5185(m)	4250	2126	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	21.5	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	15.2	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 253 - TOR APT**
Sample No. : GFL0102919 **Received** : 09 Jan 2024 **15 Bermondsey Road - Building B**
Lab Number : 02607361 **Diagnosed** : 09 Jan 2024 **Toronto, ON**
Unique Number : 5708447 **Diagnostician** : Wes Davis **CA M4B 1Y9**
Test Package : MOB 1 **Contact: Sonia Ciampa**
sciampa@gflenv.com
T: (416)740-8279
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.