



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
7900
Component
Natural Gas Engine
Fluid
DIESEL ENGINE OIL SAE 40 (24 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0107859	GFL0096998	GFL0076501
Sample Date		Client Info		03 Dec 2023	04 Oct 2023	04 Jul 2023
Machine Age	kms	Client Info		230268	223728	223421
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	9	12	9
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	1	1
Lead	ppm	ASTM D5185(m)	>30	<1	1	0
Copper	ppm	ASTM D5185(m)	>35	<1	1	<1
Tin	ppm	ASTM D5185(m)	>4	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

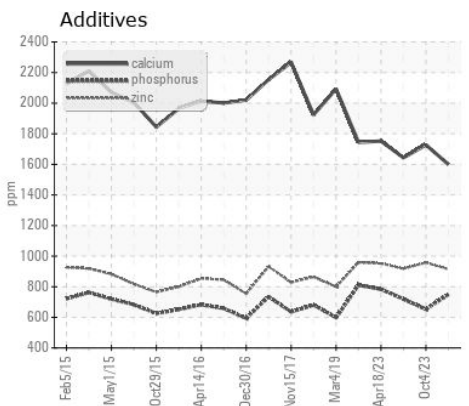
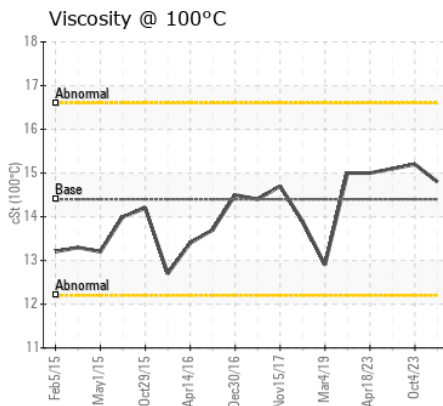
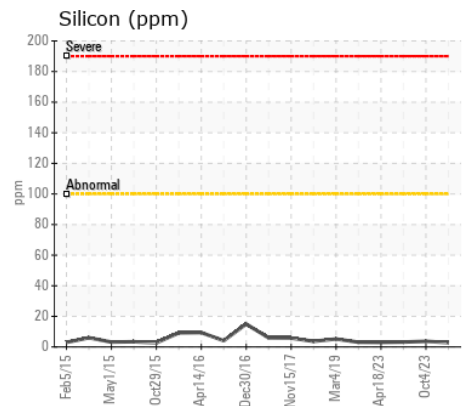
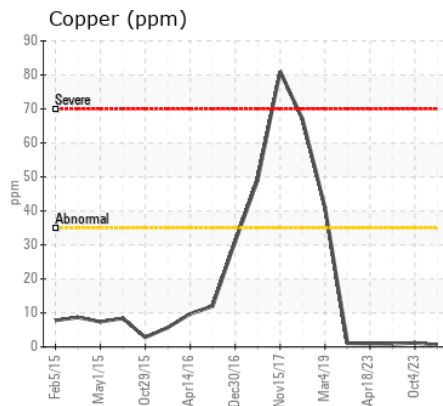
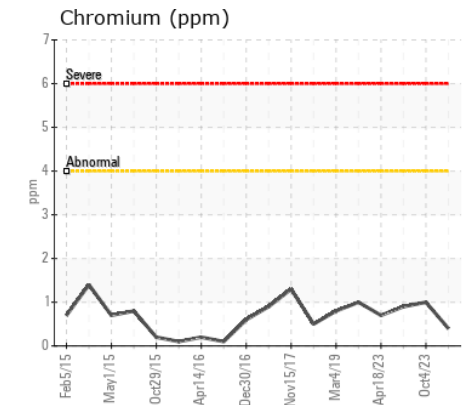
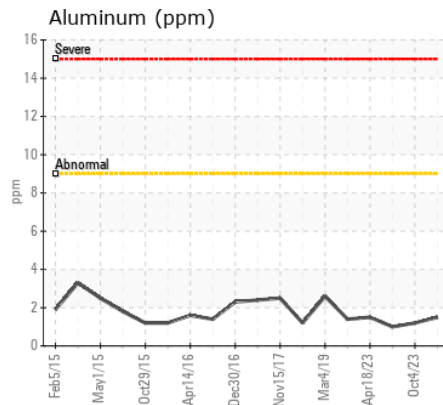
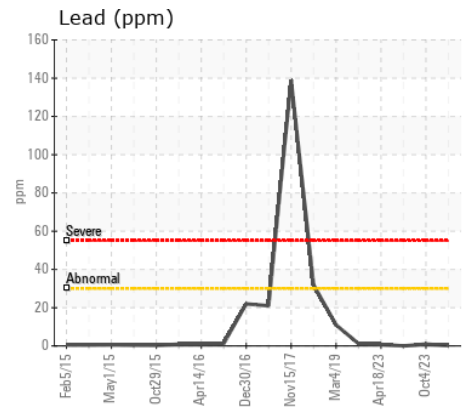
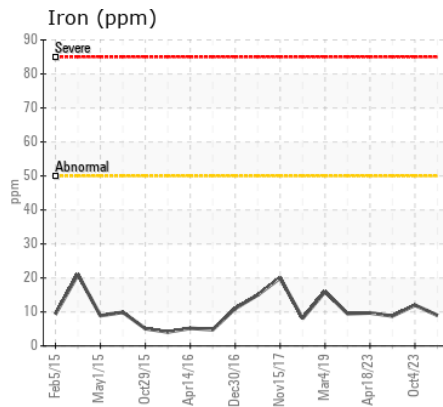
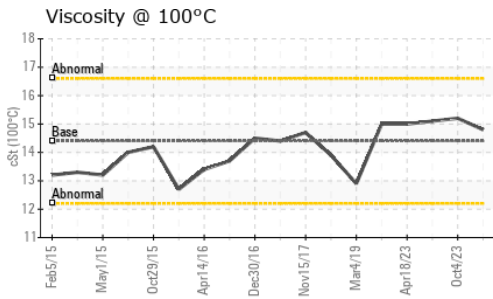
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	3	4	3
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	9.1	11.1	10.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.9	22.4	21.1
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)	>216	7	9	6
Boron	ppm	ASTM D5185(m)	250	22	11	16
Barium	ppm	ASTM D5185(m)	10	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	100	51	56	52
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)	450	572	559	542
Calcium	ppm	ASTM D5185(m)	3000	1600	1727	1643
Phosphorus	ppm	ASTM D5185(m)	1150	749	653	720
Zinc	ppm	ASTM D5185(m)	1350	914	958	918
Sulfur	ppm	ASTM D5185(m)	4250	2092	1938	1955
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.8	18.8	18.3
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.8	15.2	15.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 225 - COT(D2)**
Sample No. : GFL0107859 **Received** : 09 Jan 2024
Lab Number : 02607394 **Diagnosed** : 09 Jan 2024
Unique Number : 5708480 **Diagnostician** : Wes Davis
Test Package : MOB 1

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.

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