

# **OIL ANALYSIS REPORT**

## Sample Rating Trend









Machine Id 931033 Natural Gas Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

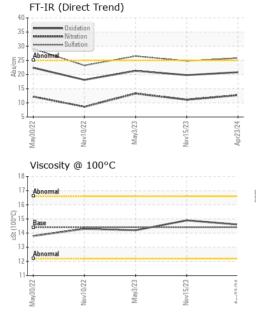
### **Fluid Condition**

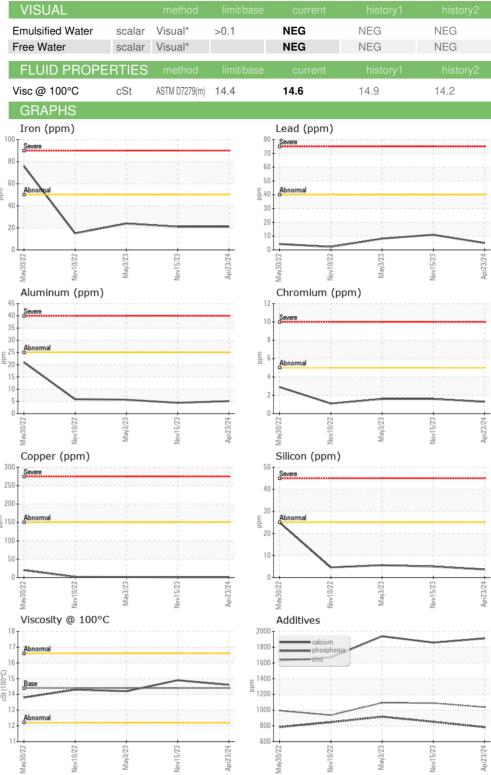
The condition of the oil is acceptable for the time in service.

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SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0112703	GFL0100358	GFL0079541
Sample Date		Client Info		23 Apr 2024	15 Nov 2023	03 May 2023
Machine Age	hrs	Client Info		5869	4687	45570
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>50	21	21	24
Chromium	ppm	ASTM D5185(m)	>5	1	2	2
Nickel	ppm	ASTM D5185(m)	>4	1	1	1
Titanium	ppm	ASTM D5185(m)	>5	0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	5	4	6
_ead	ppm	ASTM D5185(m)	>40	5	11	8
Copper	ppm	ASTM D5185(m)	>150	1	1	2
Γin	ppm	ASTM D5185(m)	>4	<1	1	1
Antimony	ppm	ASTM D5185(m)		0	0	<1
√anadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	13	15	10
Barium	ppm	ASTM D5185(m)	10	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	100	63	62	63
Manganese	ppm	ASTM D5185(m)		<1	<1	1
Magnesium	ppm	ASTM D5185(m)	450	646	678	687
Calcium	ppm	ASTM D5185(m)	3000	1911	1857	1938
Phosphorus	ppm	ASTM D5185(m)	1150	783	852	916
Zinc	ppm	ASTM D5185(m)	1350	1038	1089	1093
Sulfur	ppm	ASTM D5185(m)	4250	2101	2112	2176
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	5	6
Sodium	ppm	ASTM D5185(m)	>158	8	9	10
Potassium	ppm	ASTM D5185(m)	>20	6	3	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.7	11.1	13.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.8	24.8	26.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.8	19.8	21.3



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Unique Number : 5775143 Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 253 - TOR APT Lab Number : 02633990

: GFL0112703

Received **Tested** 

Diagnosed

: 08 May 2024 : 08 May 2024

: 08 May 2024 - Wes Davis

15 Bermondsey Road - Building B Toronto, ON CA M4B 1Y9

Contact: Natalia Stalynska nstalynska@gflenv.com

T: 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.