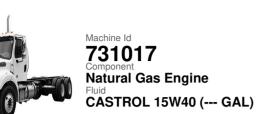
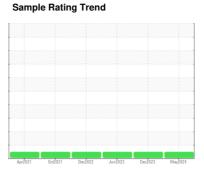


# **OIL ANALYSIS REPORT**







## **DIAGNOSIS**

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the

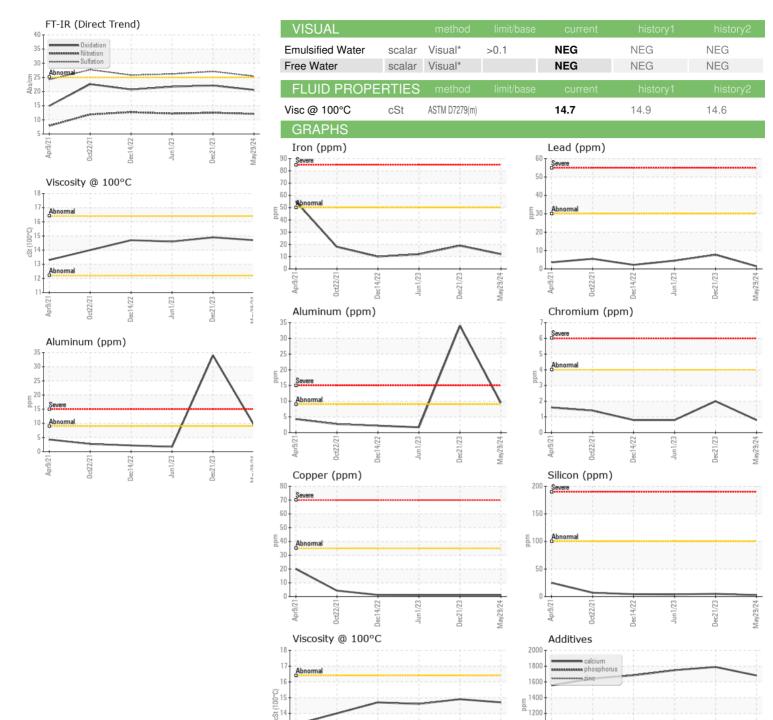
## **Fluid Condition**

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

GAL)		Apr2021	Oct2021 Dec2022	Jun2023 Dec2023	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0100765	GFL0079566	GFL0079565
Sample Date		Client Info		29 May 2024	21 Dec 2023	01 Jun 2023
Machine Age	kms	Client Info		151198	135339	115116
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
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
Iron	ppm	ASTM D5185(m)	>50	12	19	12
Chromium	ppm	ASTM D5185(m)	>4	<1	2	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>9	10	34	2
Lead	ppm	ASTM D5185(m)	>30	1	8	4
Copper	ppm	ASTM D5185(m)	>35	1	1	1
Tin	ppm	ASTM D5185(m)	>4	<1	1	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	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)		7	7	4
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		54	57	58
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		569	595	608
Calcium	ppm	ASTM D5185(m)		1681	1789	1748
Phosphorus	ppm	ASTM D5185(m)		671	799	789
Zinc	ppm	ASTM D5185(m)		929	981	970
Sulfur	ppm	ASTM D5185(m)		1991	2199	2102
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	3	5	4
Sodium	ppm	ASTM D5185(m)	>406	3	4	2
Potassium	ppm	ASTM D5185(m)	>20	18	87	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.1	12.5	12.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.4	27.1	26.2
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.6	22.1	21.7



# **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number : 02639074 Unique Number : 5788236

: GFL0100765

Test Package : MOB 1

12

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Jun1/23

Dec14/22

Received : 31 May 2024 **Tested** : 31 May 2024 Diagnosed : 31 May 2024 - Kevin Marson

Dec21/23

1000

800 600

> GFL Environmental - 277 - Niagara Regional C/O Metro Truck Niagara Inc., 411 Glendale Avenue

Dec14/22

St. Catharines, ON CA L2P 3Y1 Contact: Kelly Bremner kbremner@gflenv.com T: (437)235-6849

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.