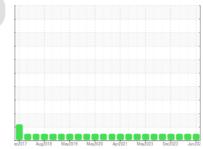


# **OIL ANALYSIS REPORT**

### \_\_



Sample Rating Trend







# DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

#### Wear

Metal levels are typical for a new component breaking in.

## Contamination

There is no indication of any contamination in the

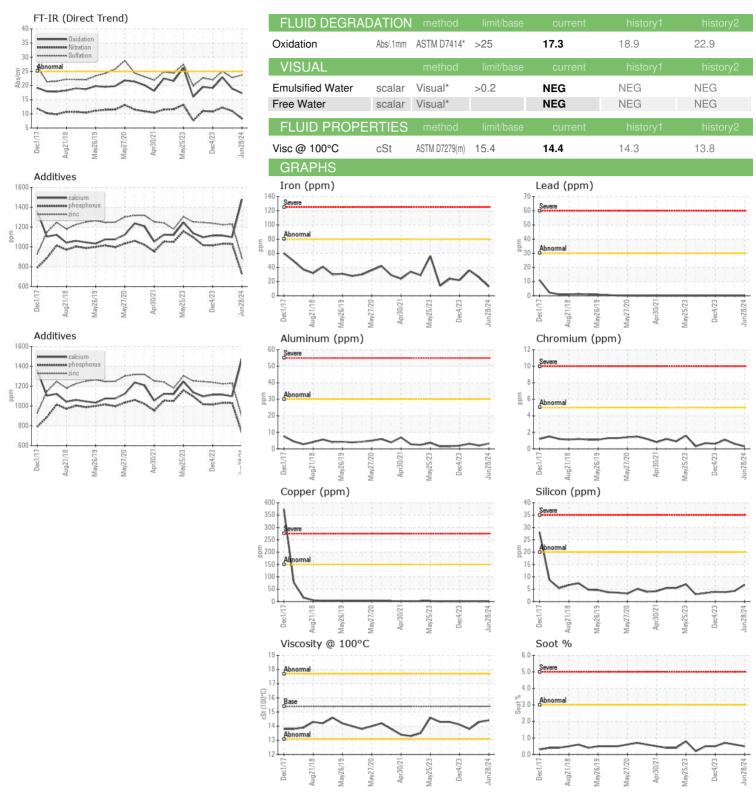
### **Fluid Condition**

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122327	GFL0117876	GFL011172
Sample Date		Client Info		28 Jun 2024	23 May 2024	14 Mar 2024
Machine Age	kms	Client Info		88443	88443	13803
Oil Age	kms	Client Info		0	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
-uel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>80	13	26	36
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>2	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	3	2	3
Lead	ppm	ASTM D5185(m)	>30	0	0	0
Copper	ppm	ASTM D5185(m)	>150	<1	<1	1
Tin	ppm	ASTM D5185(m)	>5	0	0	0
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)	0	196	6	10
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	113	61	64
Manganese	ppm	ASTM D5185(m)	0	<1	<1	0
Magnesium	ppm	ASTM D5185(m)	1010	722	976	972
Calcium	ppm	ASTM D5185(m)	1070	1478	1098	1115
Phosphorus	ppm	ASTM D5185(m)	1150	728	1029	1032
Zinc	ppm	ASTM D5185(m)	1270	889	1229	1224
Sulfur	ppm	ASTM D5185(m)	2060	2063	2411	2528
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	7	4	4
Sodium	ppm	ASTM D5185(m)		6	9	10
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.5	0.6	0.7
Nitration	Abs/cm	ASTM D7624*	>20	8.3	11.0	12.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.7	22.8	25.0



# **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: GFL0122327 Lab Number : 02645202 Unique Number : 5802741

Test Package : MOB 1

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 03 Jul 2024 **Tested** : 03 Jul 2024

Diagnosed

: 03 Jul 2024 - Kevin Marson

14131 BAYVIEW AVE, AURORA YARD AURORA, ON CA L4G 0K6

GFL Environmental - 217 - Aurora

Contact: Mike Havens MHavens@gflenv.com T:

F: (905)713-2445

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.