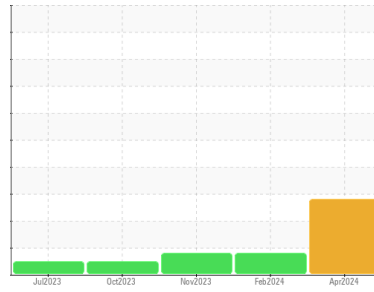




# OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



Machine Id  
**TURRET C**  
 Component  
**Gearbox**  
 Fluid  
 {not provided} (--- GAL)

## DIAGNOSIS

### Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. We advise that you check for visible metal particles in the oil. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

Titanium ppm levels are marginal. Light concentration of visible metal present. Gear wear is indicated.

### Contamination

The water content is negligible.

### Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0782484</b>	WC0782490	WC0782488
Sample Date	Client Info		<b>02 Apr 2024</b>	15 Feb 2024	07 Nov 2023
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ABNORMAL</b>	MARGINAL	MARGINAL

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*	>DFLT	<b>16</b>	0	0
Iron	ppm	ASTM D5185(m)	>200	<b>17</b>	10
Chromium	ppm	ASTM D5185(m)	>15	<b>0</b>	0
Nickel	ppm	ASTM D5185(m)	>15	<b>0</b>	0
Titanium	ppm	ASTM D5185(m)	<b>▲ 21</b>	▲ 16	▲ 15
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>1</b>	1
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	<1
Copper	ppm	ASTM D5185(m)	>200	<b>1</b>	1
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	0
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1
Barium	ppm	ASTM D5185(m)		<b>0</b>	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	0
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1
Calcium	ppm	ASTM D5185(m)		<b>5</b>	4
Phosphorus	ppm	ASTM D5185(m)		<b>290</b>	297
Zinc	ppm	ASTM D5185(m)		<b>3</b>	3
Sulfur	ppm	ASTM D5185(m)		<b>9107</b>	9529
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1

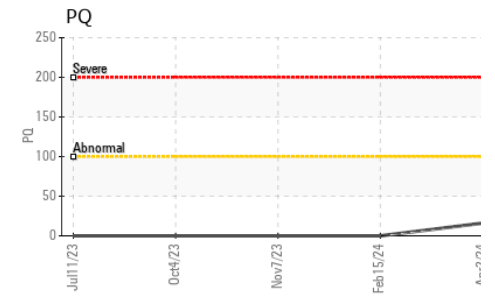
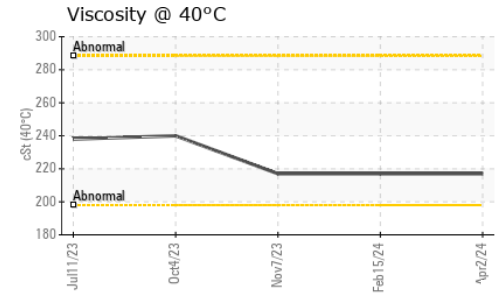
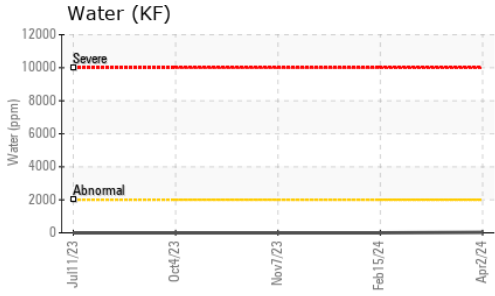
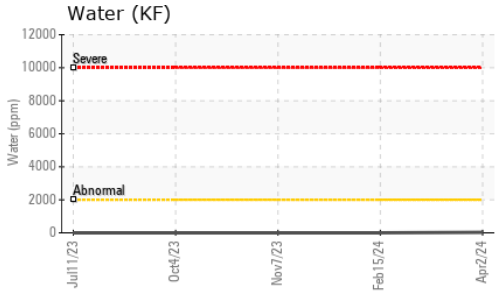
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<b>5</b>	5
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1
Water	%	ASTM D6304*	>0.2	<b>0.003</b>	---
ppm Water	ppm	ASTM D6304*	>2000	<b>30</b>	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.30</b>	0.32

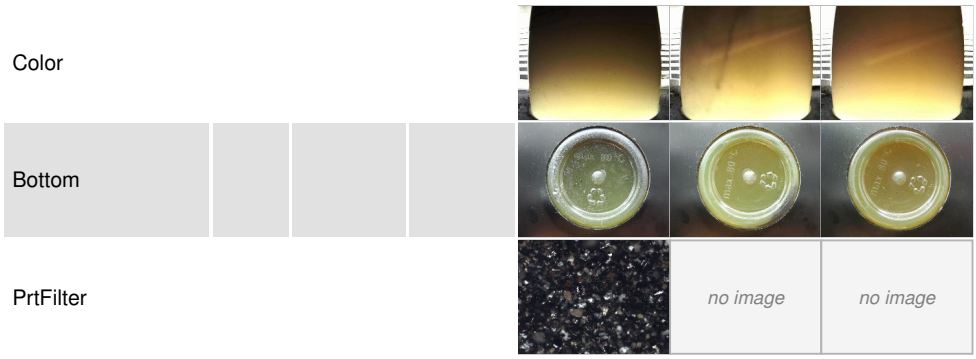
# OIL ANALYSIS REPORT



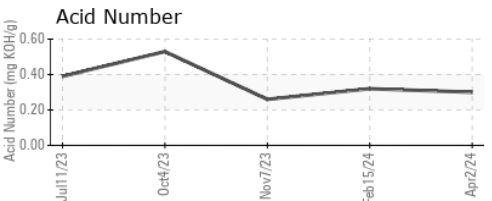
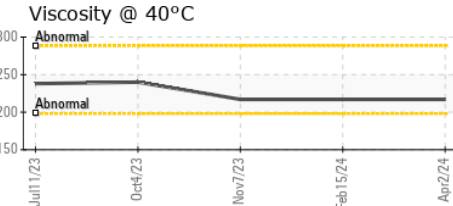
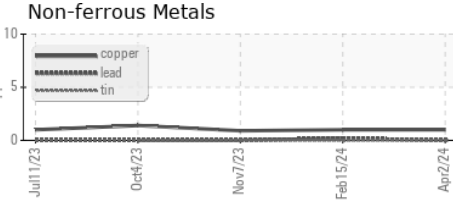
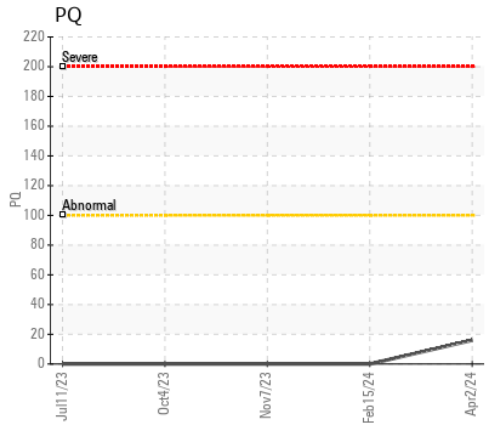
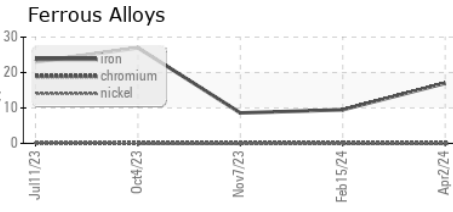
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	▲ <b>LTMOD</b>	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE
Silt	scalar	Visual*	NONE	<b>VLITE</b>	VLITE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE
Appearance	scalar	Visual*	NORML	▲ <b>MILKY</b>	HAZY
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>217</b>	217	217

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0782484  
**Lab Number** : 02629323  
**Unique Number** : 5762455  
**Test Package** : IND 2 ( Additional Tests: BottomAnalysis, FILTERPATCH, KF, TAN Man )  
**Received** : 16 Apr 2024  
**Tested** : 18 Apr 2024  
**Diagnosed** : 18 Apr 2024 - Kevin Marson  
**STELCO - BOSC - Basic Oxygen Slab Caster**  
 2330 Regional Road #3, Door: BOSC8  
 NANTICOKE, ON  
 CA N0A 1L0  
 Contact: Kevin Beeton  
 Kevin.Beeton@stelco.com  
 T:  
 F: (519)587-7702

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.