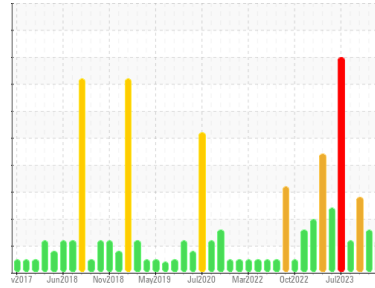




# COOLANT REPORT

Sample Rating Trend



ISO



Area  
**BOF/DESULF**  
Machine Id  
**D Desulph Skimmer East**  
Component  
**Hydraulic System**  
Fluid  
**FORSYTHE NO FIRE WG 200R (130 GAL)**

## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable. The water concentration level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC0901967</b>	WC0890389	WC0871217
Sample Date	Client Info	<b>22 Jan 2024</b>	15 Dec 2023	16 Oct 2023
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	<b>NEG</b>	NEG	NEG

## CORROSION INHIBITORS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Phosphorus	ppm	ASTM D5185(m)	<b>&lt;1</b>	1	1
Boron	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	0

## CORROSION

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>20	<b>0</b>	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>0</b>	0
Copper	ppm	ASTM D5185(m)	>20	<b>0</b>	0
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	0
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1
Zinc	ppm	ASTM D5185(m)		<b>0</b>	0

## CONTAMINANTS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>5000	<b>▲ 34043</b>	▲ 13461	▲ 25920
Particles >6µm	ASTM D7647	>1300	<b>▲ 3861</b>	▲ 2318	▲ 3635
Particles >14µm	ASTM D7647	>160	<b>91</b>	▲ 173	▲ 271
Particles >21µm	ASTM D7647	>40	<b>26</b>	45	▲ 119
Particles >38µm	ASTM D7647	>10	<b>1</b>	6	▲ 19
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	▲ 6
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>▲ 22/19/14</b>	▲ 21/18/15	▲ 22/19/15

## CARRIER SALTS

method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D5185(m)	<b>173</b>	179	164
Potassium	ppm	ASTM D5185(m)	<b>6</b>	9	20

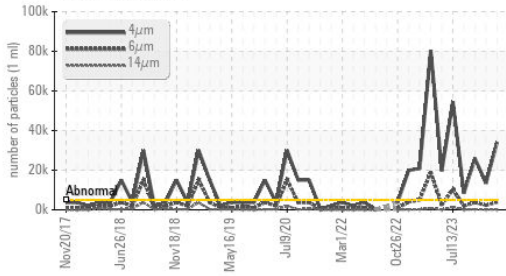
## SCALE POTENTIAL

method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	0



# COOLANT REPORT

### Particle Trend



VISUAL	method	limit/base	current	history1	history2
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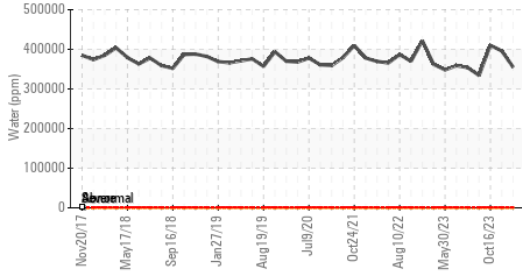
Color



Bottom

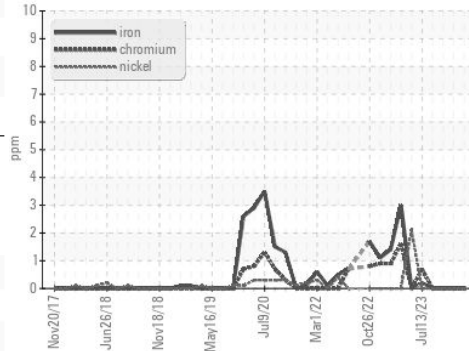


### Water (KF)

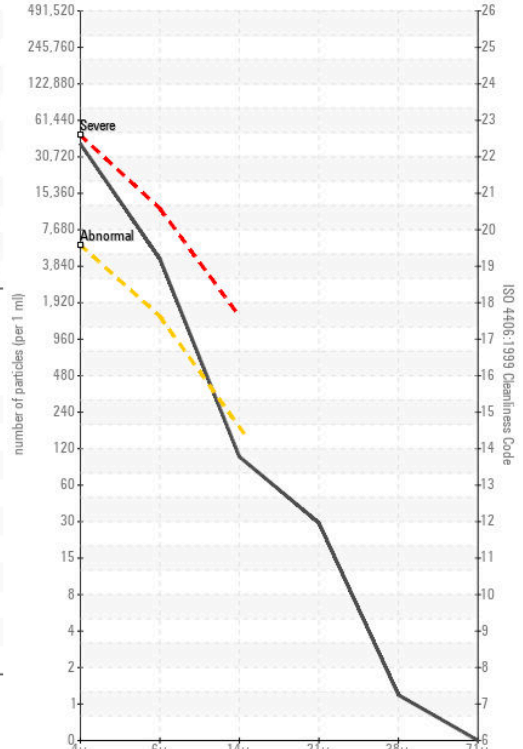


### GRAPHS

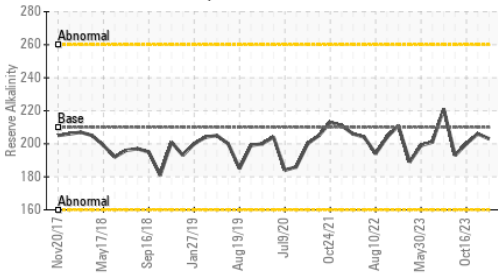
#### Ferrous Alloys



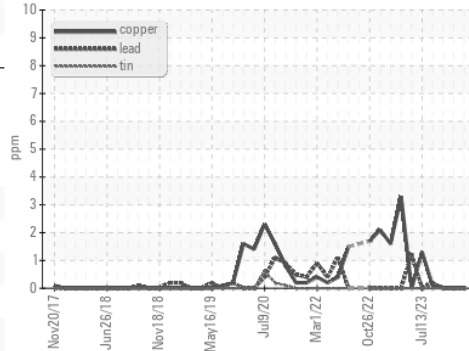
#### Particle Count



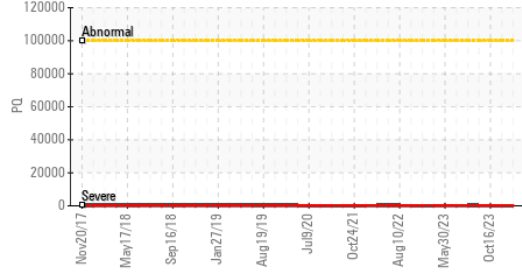
### Reserve Alkalinity



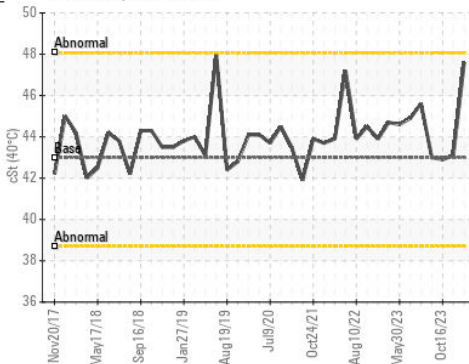
#### Non-ferrous Metals



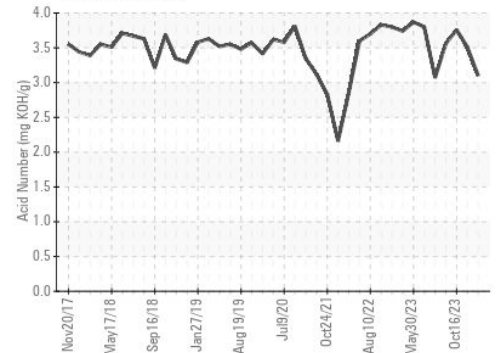
### PQ



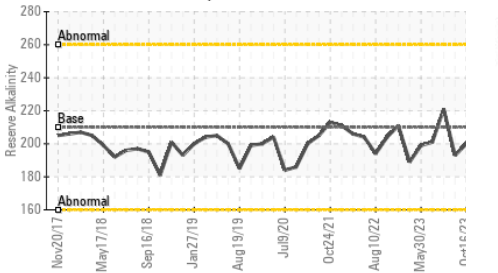
#### Viscosity @ 40°C



#### Acid Number



### Reserve Alkalinity



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **STELCO - BOSC - Basic Oxygen Slab Caster**  
**Sample No.** : WC0901967 **Received** : 23 Jan 2024  
**Lab Number** : 02610776 **Diagnosed** : 29 Jan 2024  
**Unique Number** : 5711862 **Diagnostician** : Bill Quesnel  
**Test Package** : IND 2 ( Additional Tests: KF, pH, PQ, ReserveAlk )

2330 Regional Road #3, Door: BOSC8  
 NANTICOKE, ON  
 CA N0A 1L0  
 Contact: Tom Walden  
 Thomas.Walden@stelco.com  
 T: (519)587-4541  
 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.