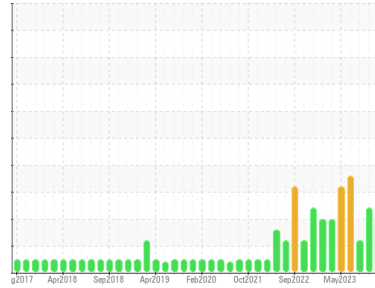




# COOLANT REPORT

Sample Rating Trend

ISO



Area  
**BOF/DESULF**  
Machine Id  
**D Desulph Skimmer West**  
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>WC0890388</b>	WC0871203	WC0850086
Sample Date	Client Info	<b>15 Dec 2023</b>	16 Oct 2023	16 Aug 2023
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>ABNORMAL</b>	ABNORMAL	ATTENTION

## 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	0
Phosphorus	ppm	ASTM D5185(m)	<b>2</b>	<1	0
Boron	ppm	ASTM D5185(m)	<b>0</b>	<1	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>▲ 14723</b>	▲ 13520	▲ 8709
Particles >6µm	ASTM D7647	>1300	<b>▲ 2442</b>	▲ 2091	▲ 1831
Particles >14µm	ASTM D7647	>160	<b>▲ 187</b>	▲ 197	49
Particles >21µm	ASTM D7647	>40	<b>▲ 63</b>	▲ 79	21
Particles >38µm	ASTM D7647	>10	<b>8</b>	▲ 19	2
Particles >71µm	ASTM D7647	>3	<b>4</b>	4	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>▲ 21/18/15</b>	▲ 21/18/15	▲ 20/18/13

## CARRIER SALTS

method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D5185(m)	<b>181</b>	154	170
Potassium	ppm	ASTM D5185(m)	<b>7</b>	13	5

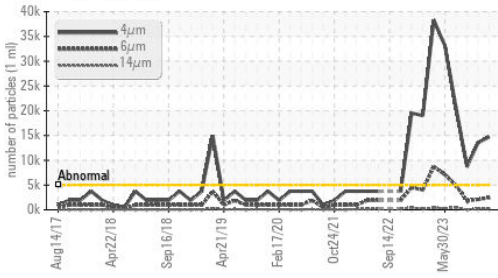
## SCALE POTENTIAL

method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	2
Magnesium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	<1



# COOLANT REPORT

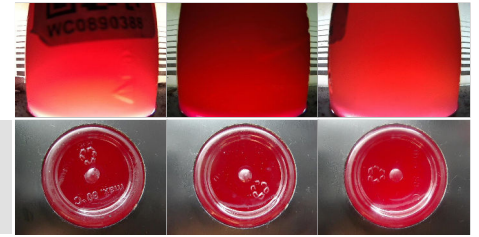
## Particle Trend



## VISUAL

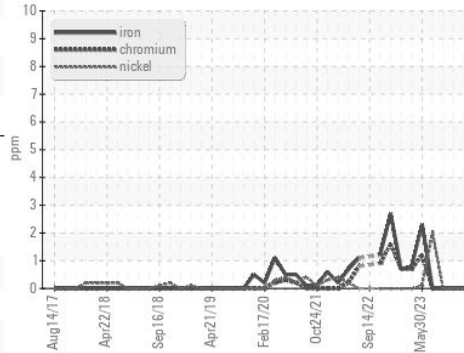
Color

Bottom

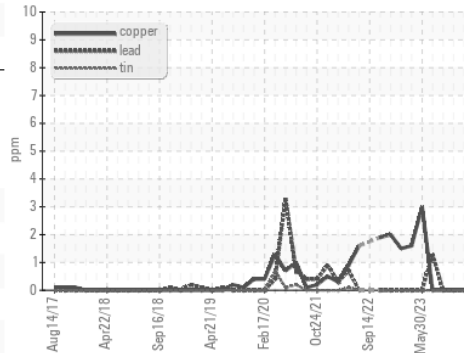


## GRAPHS

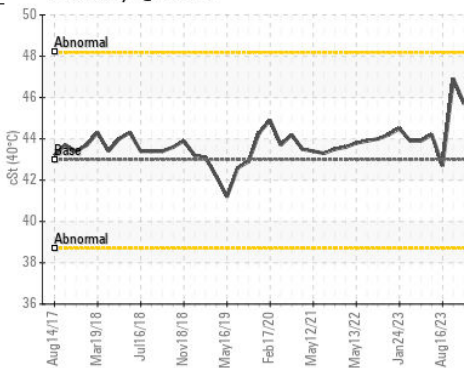
### Ferrous Alloys



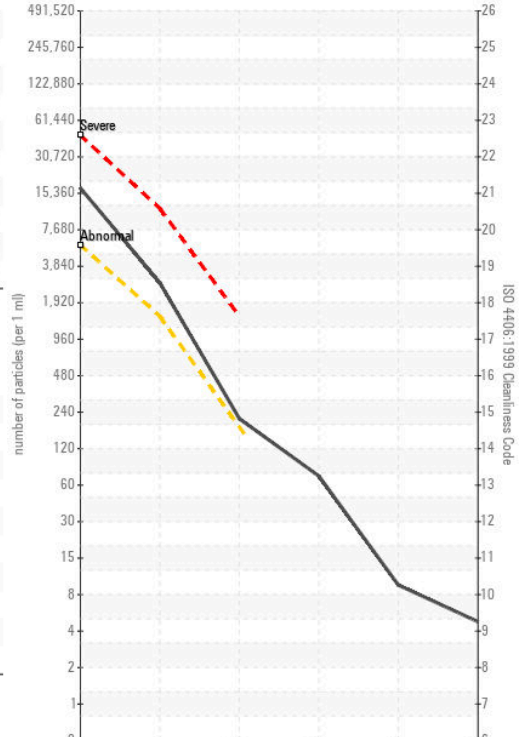
### Non-ferrous Metals



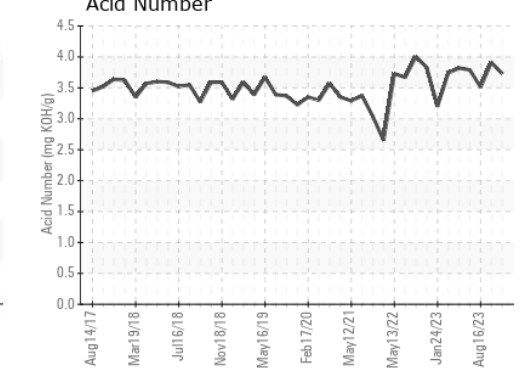
### Viscosity @ 40°C



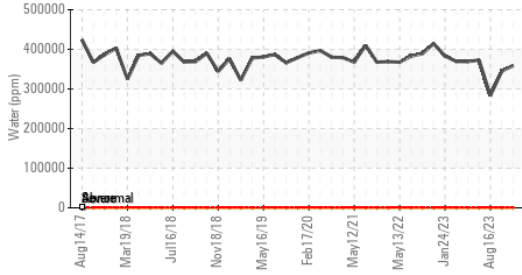
### Particle Count



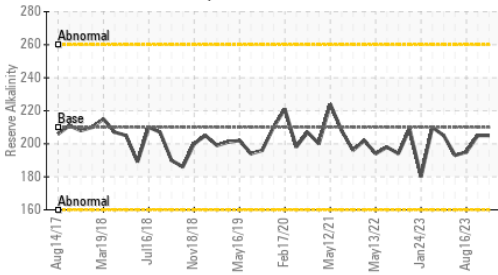
### Acid Number



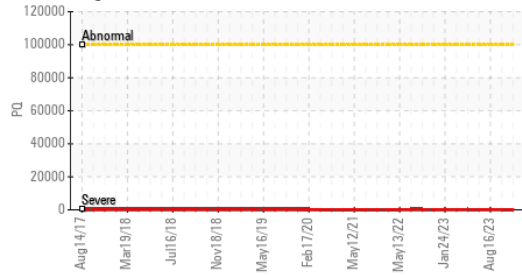
## Water (KF)



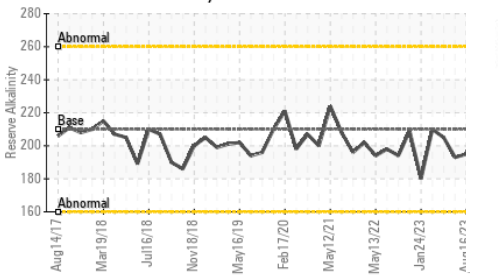
## Reserve Alkalinity



## PQ



## Reserve Alkalinity



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **STELCO - BOSC - Basic Oxygen Slab Caster**  
**Sample No.** : WC0890388 **Received** : 15 Dec 2023 2330 Regional Road #3, Door: BOSC8  
**Lab Number** : 02603624 **Diagnosed** : 21 Dec 2023 NANTICOKE, ON  
**Unique Number** : 5696709 **Diagnostician** : Kevin Marson CA N0A 1L0  
**Test Package** : IND 2 ( Additional Tests: KF, pH, PQ, ReserveAlk, TAN Man )

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.

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