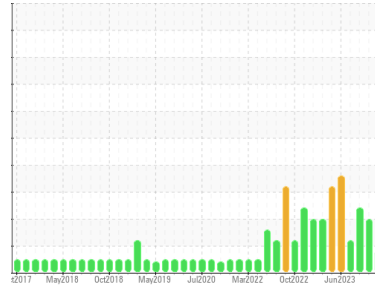




COOLANT REPORT

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. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a light 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 condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0901980	WC0890388	WC0871203
Sample Date	Client Info			22 Jan 2024	15 Dec 2023	16 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method			NEG	NEG	NEG

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		<1	<1	<1
Phosphorus	ppm	ASTM D5185(m)		1	2	<1
Boron	ppm	ASTM D5185(m)		<1	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0

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

CONTAMINANTS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ 7445	▲ 14723	▲ 13520
Particles >6µm		ASTM D7647	>1300	1137	▲ 2442	▲ 2091
Particles >14µm		ASTM D7647	>160	87	▲ 187	▲ 197
Particles >21µm		ASTM D7647	>40	22	▲ 63	▲ 79
Particles >38µm		ASTM D7647	>10	3	8	▲ 19
Particles >71µm		ASTM D7647	>3	2	4	4
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 20/17/14	▲ 21/18/15	▲ 21/18/15

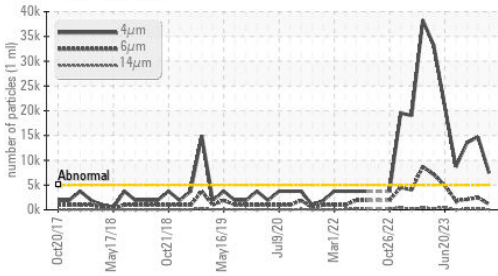
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		178	181	154
Potassium	ppm	ASTM D5185(m)		19	7	13

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)		<1	<1	0
Magnesium	ppm	ASTM D5185(m)		<1	<1	0



COOLANT REPORT

Particle Trend



VISUAL

method

limit/base

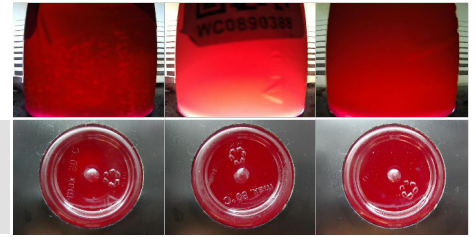
current

history1

history2

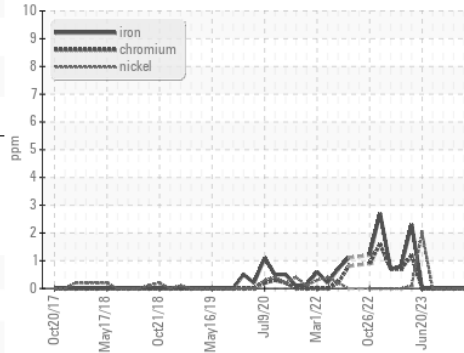
Color

Bottom

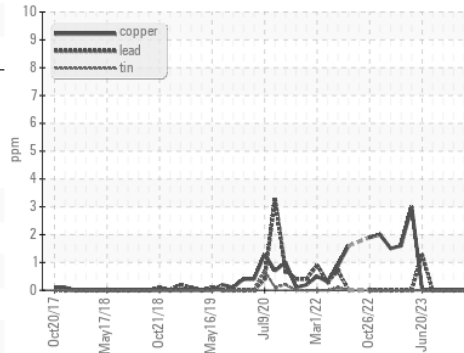


GRAPHS

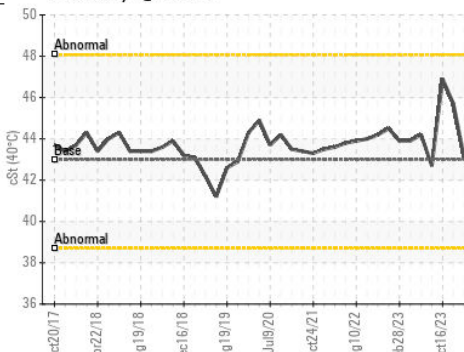
Ferrous Alloys



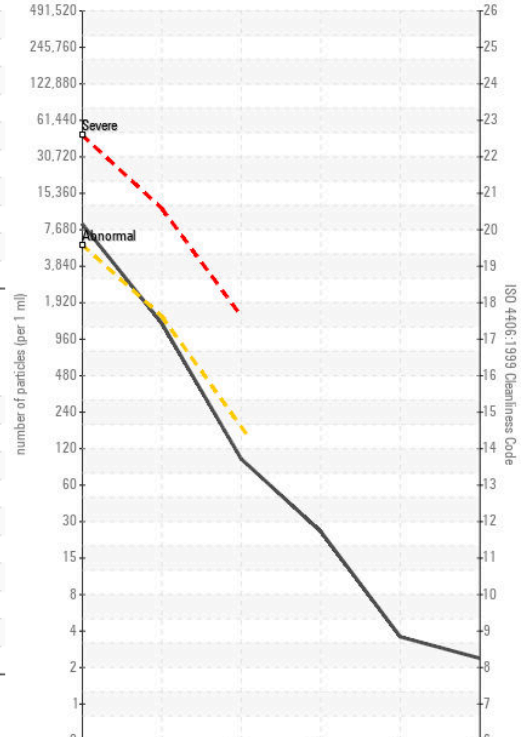
Non-ferrous Metals



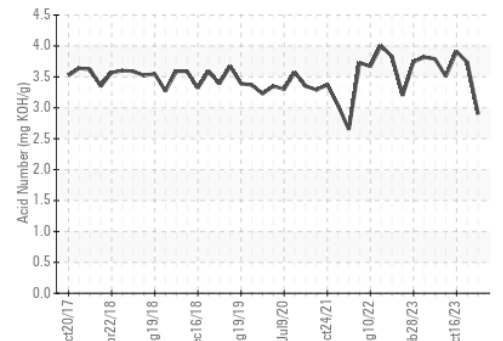
Viscosity @ 40°C



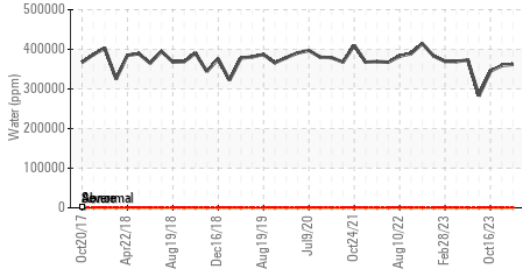
Particle Count



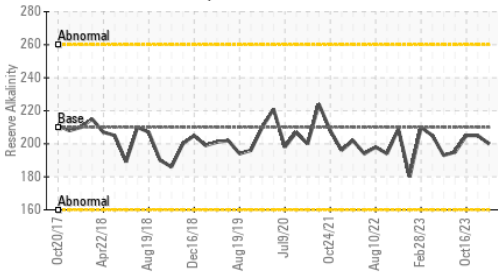
Acid Number



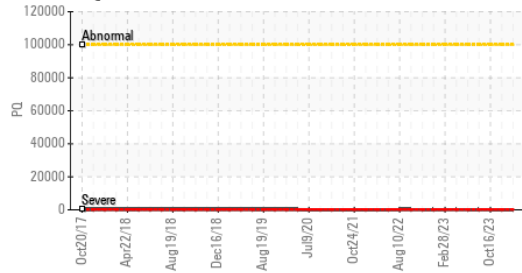
Water (KF)



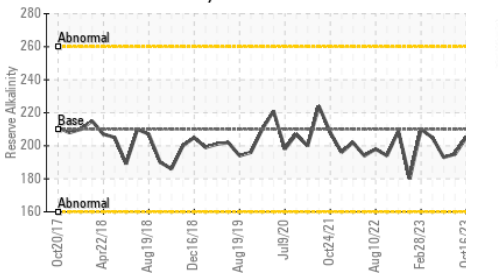
Reserve Alkalinity



PQ



Reserve Alkalinity



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **STELCO - BOSC - Basic Oxygen Slab Caster**
Sample No. : WC0901980 **Received** : 23 Jan 2024 2330 Regional Road #3, Door: BOSC8
Lab Number : 02610768 **Diagnosed** : 29 Jan 2024 NANTICOKE, ON
Unique Number : 5711854 **Diagnostician** : Bill Quesnel CA N0A 1L0
Test Package : IND 2 (Additional Tests: KF, pH, PQ, ReserveAlk)

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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