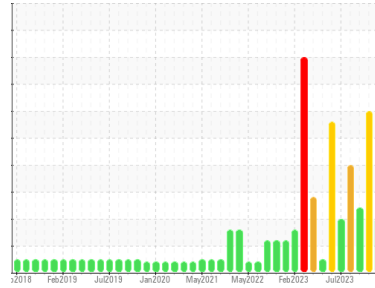




COOLANT REPORT

Sample Rating Trend



VISCOSITY



Area
BOF/OG SYSTEM
Machine Id
D - 7 Skirt Lifting and Seal Jacking Hydraulics
Component
Hydraulic System
Fluid
FORSYTHE NO FIRE WG 200R (350 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

Viscosity of sample indicates oil is within ISO 32 range, advise investigate. 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	WC0901970	WC0890390	WC0871208
Sample Date	Client Info	22 Jan 2024	15 Dec 2023	16 Oct 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	SEVERE	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)	2	1	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
Aluminum	ppm	ASTM D5185(m)	>20	0	0
Copper	ppm	ASTM D5185(m)	>20	0	0
Lead	ppm	ASTM D5185(m)	>20	0	0
Tin	ppm	ASTM D5185(m)	>20	0	0
Silver	ppm	ASTM D5185(m)		<1	<1
Zinc	ppm	ASTM D5185(m)		0	0

CONTAMINANTS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>5000	▲ 26327	297169	▲ 10764
Particles >6µm	ASTM D7647	>1300	▲ 5363	88346	▲ 2361
Particles >14µm	ASTM D7647	>160	▲ 221	2289	▲ 219
Particles >21µm	ASTM D7647	>40	42	119	▲ 81
Particles >38µm	ASTM D7647	>10	3	8	▲ 21
Particles >71µm	ASTM D7647	>3	0	2	2
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 22/20/15	25/24/18	▲ 21/18/15

CARRIER SALTS

method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D5185(m)	191	174	176
Potassium	ppm	ASTM D5185(m)	18	4	16

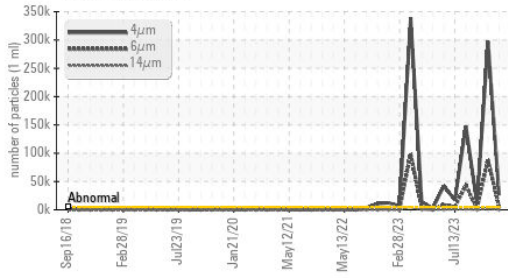
SCALE POTENTIAL

method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D5185(m)	2	<1	<1
Magnesium	ppm	ASTM D5185(m)	<1	<1	0



COOLANT REPORT

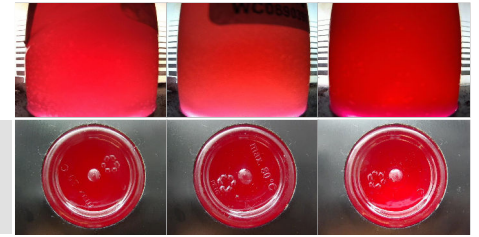
▲ Particle Trend



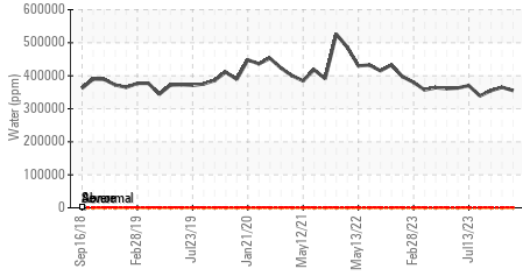
VISUAL method limit/base current history1 history2

Color

Bottom

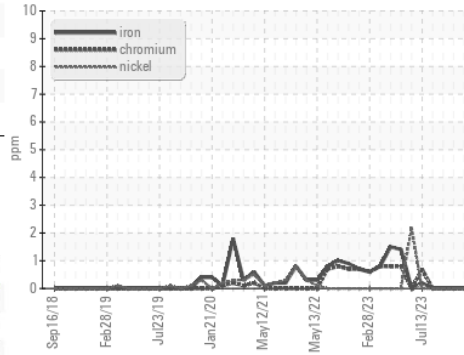


Water (KF)

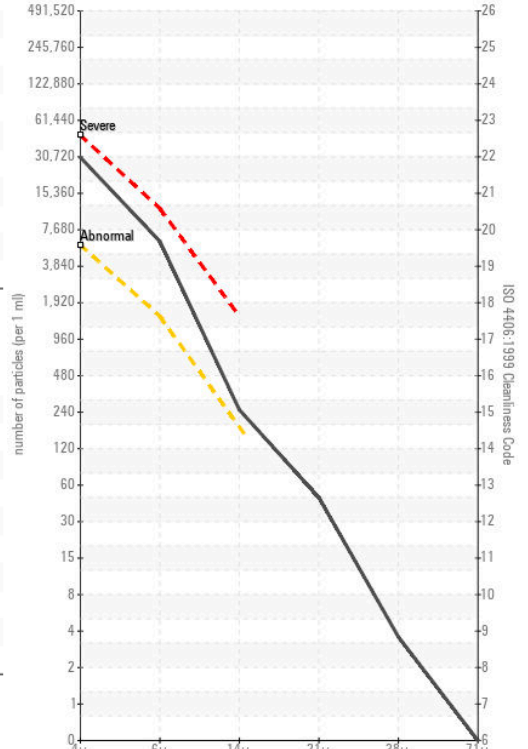


GRAPHS

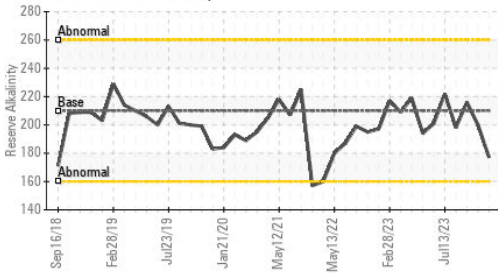
Ferrous Alloys



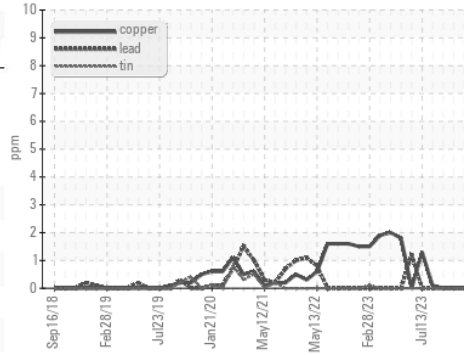
▲ Particle Count



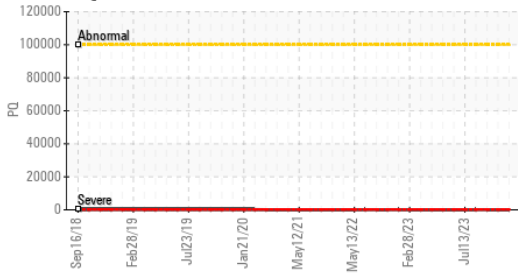
Reserve Alkalinity



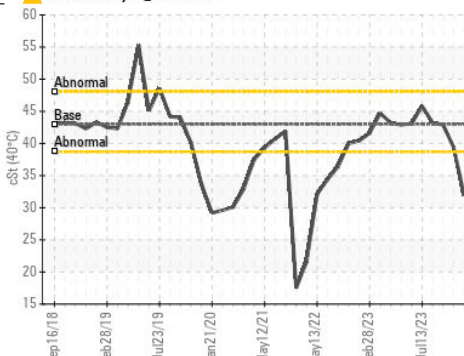
Non-ferrous Metals



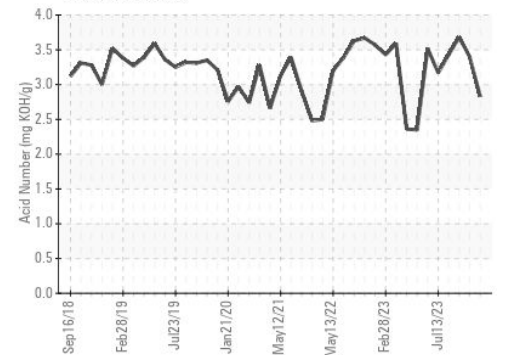
PQ



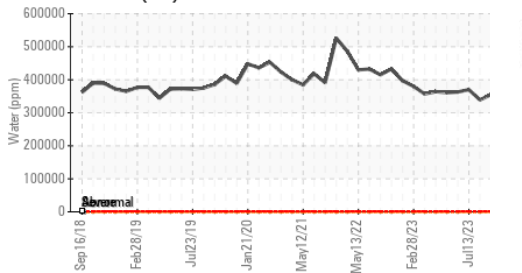
▲ Viscosity @ 40°C



Acid Number



Water (KF)



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **STELCO - BOSC - Basic Oxygen Slab Caster**
Sample No. : WC0901970 **Received** : 23 Jan 2024 **2330 Regional Road #3, Door: BOSC8**
Lab Number : 02610774 **Diagnosed** : 30 Jan 2024 **NANTICOKE, ON**
Unique Number : 5711860 **Diagnostician** : Kevin Marson **CA N0A 1L0**
Test Package : IND 2 (Additional Tests: KF, pH, PQ, ReserveAlk) **Contact: Tom Walden**

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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