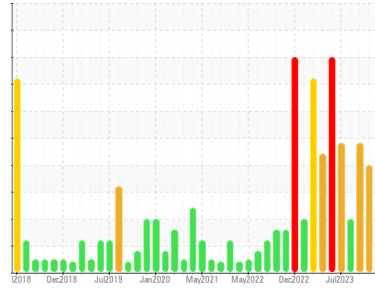




COOLANT REPORT

Sample Rating Trend



ISO



Area
BOF/DESULF

Machine Id
D Desulph Ladle Tilt Car Hydraulic

Component
Hydraulic System

Fluid
FORSYTHE NO FIRE WG 200R (790 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	WC0901968	WC0890383	WC0871211
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	SEVERE

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	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	▲ 18167	● 71207	● 68840
Particles >6µm	ASTM D7647	>1300	▲ 3351	● 16302	● 14457
Particles >14µm	ASTM D7647	>160	141	▲ 387	▲ 829
Particles >21µm	ASTM D7647	>40	24	49	▲ 221
Particles >38µm	ASTM D7647	>10	3	4	▲ 25
Particles >71µm	ASTM D7647	>3	0	0	4
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 21/19/14	● 23/21/16	● 23/21/17

CARRIER SALTS

method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D5185(m)	183	173	125
Potassium	ppm	ASTM D5185(m)	22	6	5

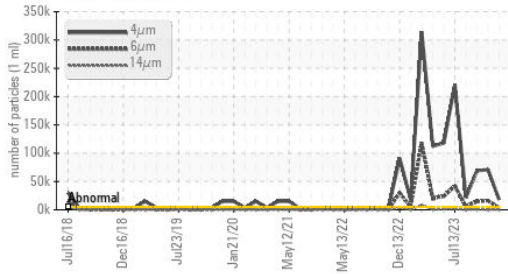
SCALE POTENTIAL

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



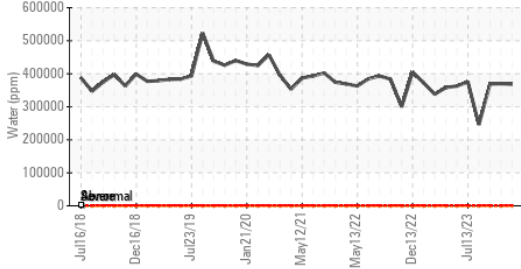
COOLANT REPORT

Particle Trend



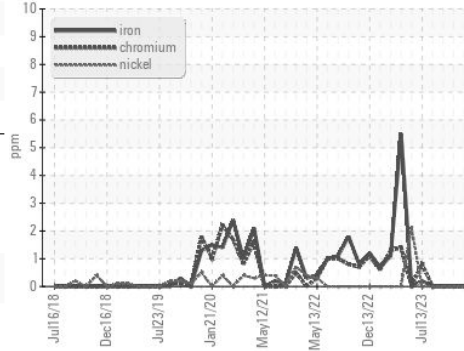
VISUAL	method	limit/base	current	history1	history2
Color					
Bottom					

Water (KF)

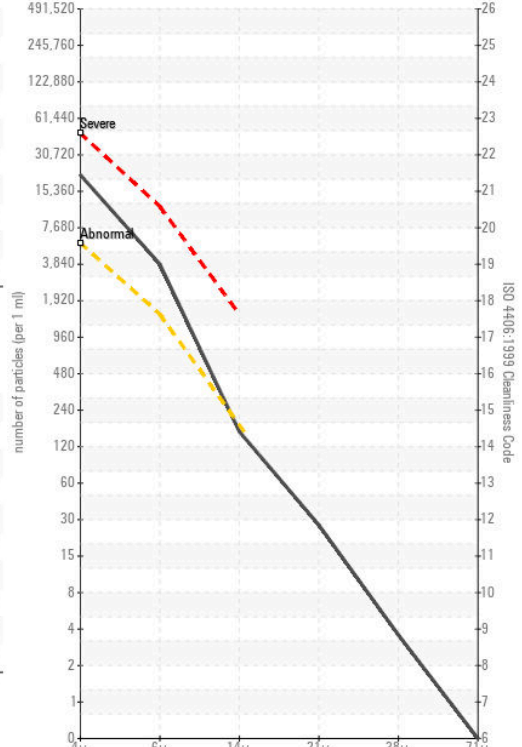


GRAPHS

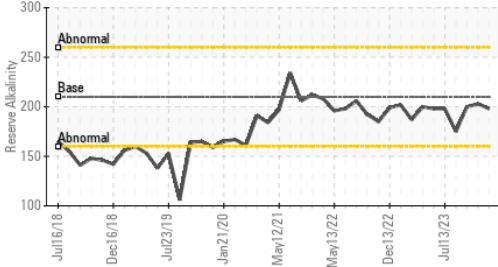
Ferrous Alloys



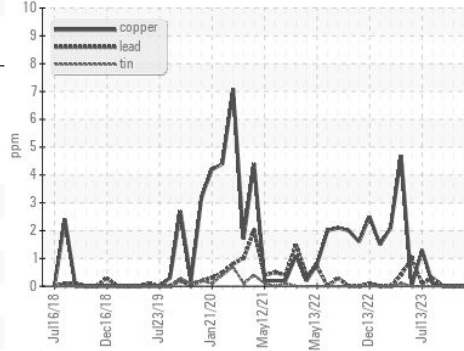
Particle Count



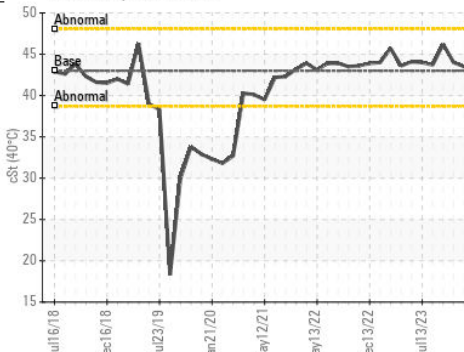
Reserve Alkalinity



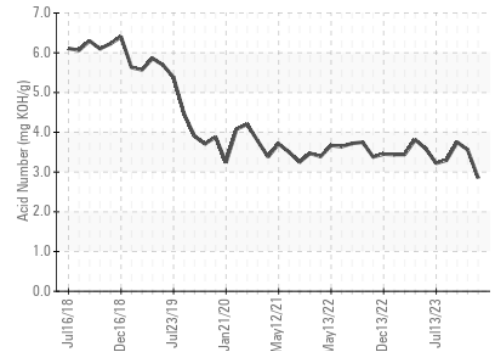
Non-ferrous Metals



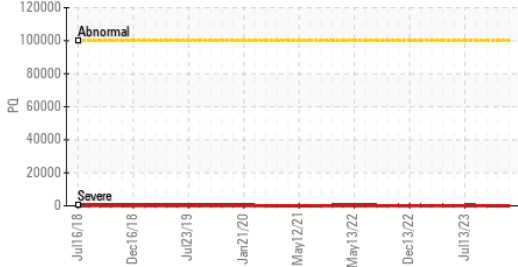
Viscosity @ 40°C



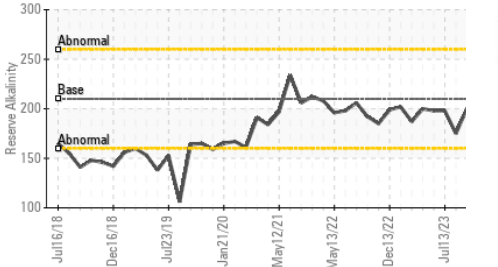
Acid Number



PQ



Reserve Alkalinity



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **STELCO - BOSC - Basic Oxygen Slab Caster**
Sample No. : WC0901968 **Received** : 23 Jan 2024
Lab Number : 02610775 **Diagnosed** : 29 Jan 2024
Unique Number : 5711861 **Diagnostician** : Bill Quesnel
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.

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