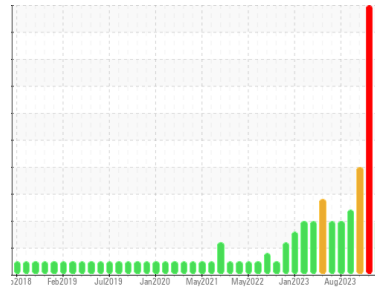




COOLANT REPORT

Sample Rating Trend



Area
Caster/Hydraulics
 Machine Id
D - Strand 2-1 Hydraulic Tank
 Component
Hydraulic System
 Fluid
FORSYTHE NO FIRE WG 200R (5000 LTR)

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	WC0901978	WC0898700	WC0890395
Sample Date	Client Info	22 Jan 2024	10 Jan 2024	15 Dec 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	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	2	<1
Phosphorus	ppm	ASTM D5185(m)	<1	583	1
Boron	ppm	ASTM D5185(m)	<1	3	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	0

CORROSION

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>20	0	183
Aluminum	ppm	ASTM D5185(m)	>20	0	<1
Copper	ppm	ASTM D5185(m)	>20	0	<1
Lead	ppm	ASTM D5185(m)	>20	0	3
Tin	ppm	ASTM D5185(m)	>20	0	0
Silver	ppm	ASTM D5185(m)	<1	0	<1
Zinc	ppm	ASTM D5185(m)	0	0	49

CONTAMINANTS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>5000	▲ 21683	141594	▲ 34571
Particles >6µm	ASTM D7647	>1300	▲ 6905	50062	11804
Particles >14µm	ASTM D7647	>160	▲ 365	775	715
Particles >21µm	ASTM D7647	>40	▲ 62	154	103
Particles >38µm	ASTM D7647	>10	0	3	0
Particles >71µm	ASTM D7647	>3	0	1	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 22/20/16	24/23/17	22/21/17

CARRIER SALTS

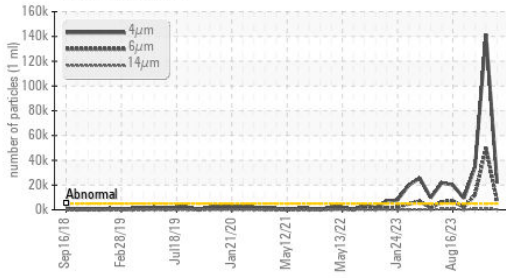
method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D5185(m)	172	2	188
Potassium	ppm	ASTM D5185(m)	17	3	11

SCALE POTENTIAL

method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D5185(m)	<1	3	1
Magnesium	ppm	ASTM D5185(m)	<1	4	<1

COOLANT REPORT

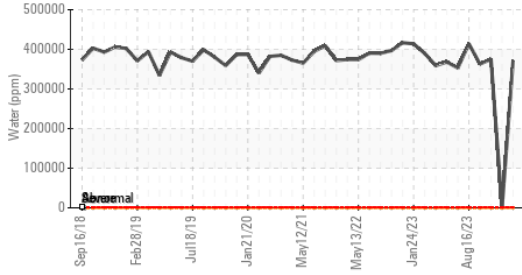
▲ Particle Trend



VISUAL

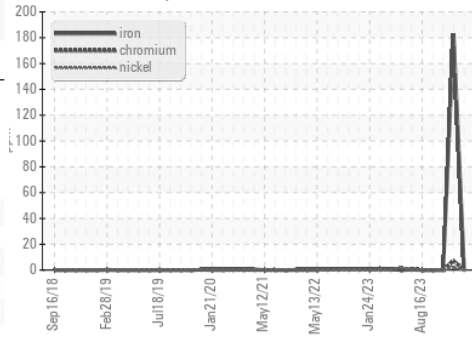
method	limit/base	current	history1	history2
Color				
Bottom				
PrtFilter		no image		no image

Water (KF)

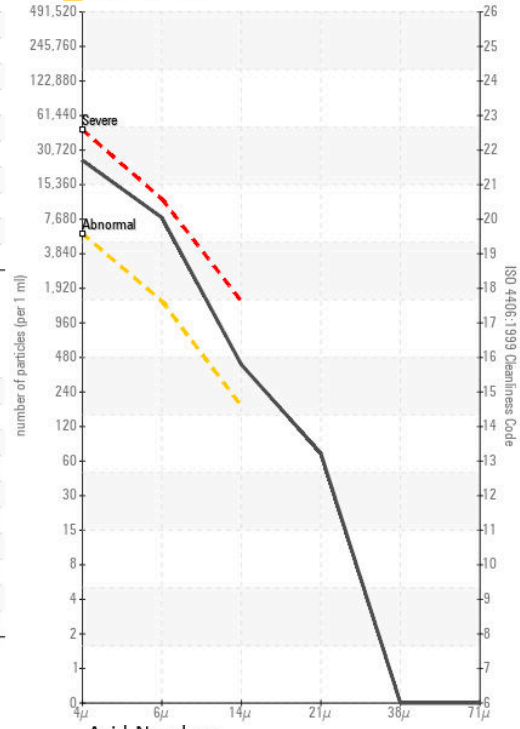


GRAPHS

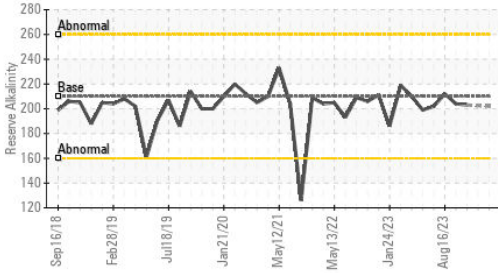
Ferrous Alloys



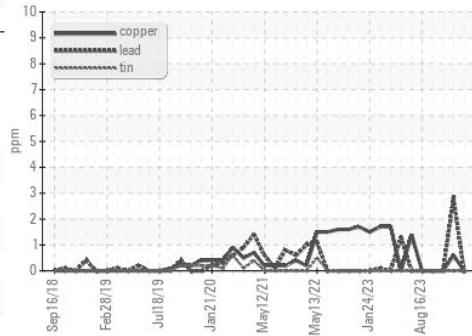
▲ Particle Count



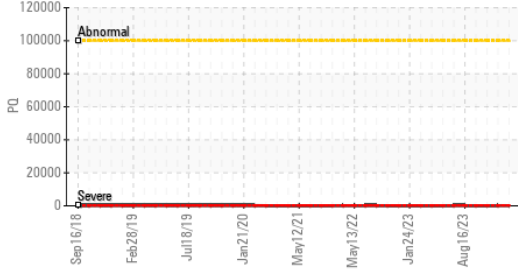
Reserve Alkalinity



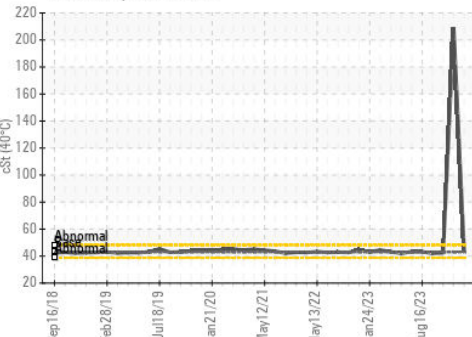
Non-ferrous Metals



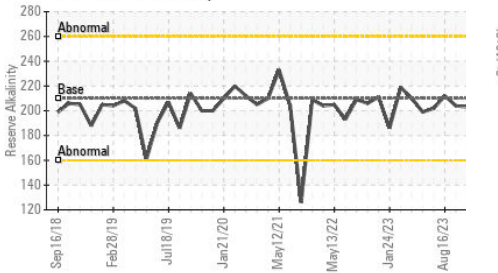
PQ



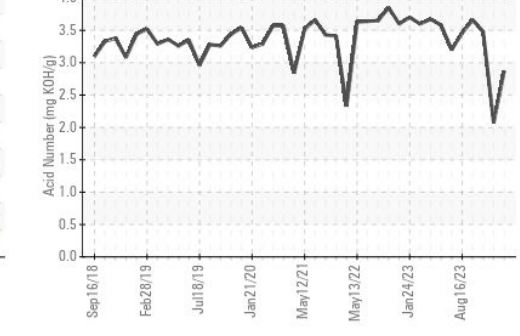
Viscosity @ 40°C



Reserve Alkalinity



Acid Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0901978
Lab Number : 02610770
Unique Number : 5711856
Test Package : IND 2 (Additional Tests: KF, pH, PQ, ReserveAlk)

Received : 23 Jan 2024
Diagnosed : 29 Jan 2024
Diagnostician : Bill Quesnel
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.