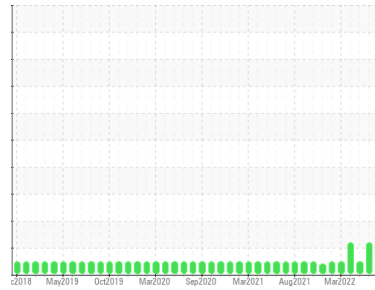




COOLANT REPORT

Sample Rating Trend



DEGRADATION



Area

Direct Strip Mill/Finishing

Machine Id

SH7 HYDRAULIC SYSTEM (DSC010) (S/N 1000016488)

Component

Hydraulic System

Fluid

FIRE-RESISTANT FLUID ISO 46 (15000 LTR)

DIAGNOSIS

Recommendation

Due to the low reserve alkalinity it is advised that you contact your fluid supplier to assist in restoring the proper amine concentration. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

The reserve alkalinity of this fluid is lower than acceptable. The AN level is acceptable for this fluid. The pH level of this fluid is within the acceptable limits. The water concentration level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0690044	WC0598797	WC
Sample Date	Client Info		11 Jul 2022	08 Jun 2022	02 May 2022
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			ABNORMAL	ABNORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>55	NEG	NEG	NEG

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	0	<1	<1
Phosphorus	ppm	ASTM D5185(m)	175	1	<1
Boron	ppm	ASTM D5185(m)	2	4	2
Molybdenum	ppm	ASTM D5185(m)	0	<1	<1

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>40	0	<1
Aluminum	ppm	ASTM D5185(m)	>4	1	2
Copper	ppm	ASTM D5185(m)	>60	<1	2
Lead	ppm	ASTM D5185(m)	>10	<1	<1
Tin	ppm	ASTM D5185(m)	>4	0	<1
Silver	ppm	ASTM D5185(m)		<1	<1
Zinc	ppm	ASTM D5185(m)	>125	0	2

CONTAMINANTS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>640	120	120	240
Particles >6µm	ASTM D7647	>160	60	60	120
Particles >14µm	ASTM D7647	>20	7	7	15
Particles >21µm	ASTM D7647	>4	0	0	2
Particles >38µm	ASTM D7647	>3	0	0	0
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>16/14/11	14/13/10	14/13/10	15/14/11

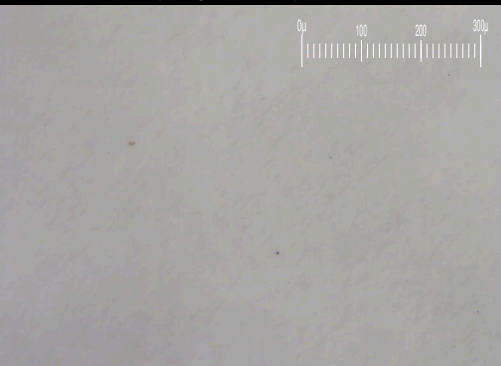
CARRIER SALTS

	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		14	44
Potassium	ppm	ASTM D5185(m)		0	44

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	<1	2
Magnesium	ppm	ASTM D5185(m)	>10	<1	1

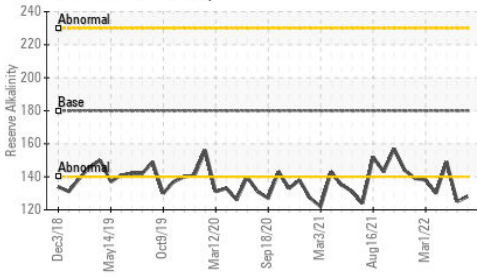
Particle Filter (Magn: 100 x)



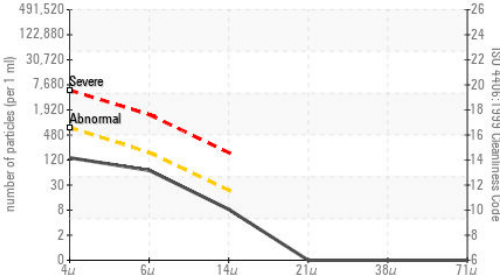


COOLANT REPORT

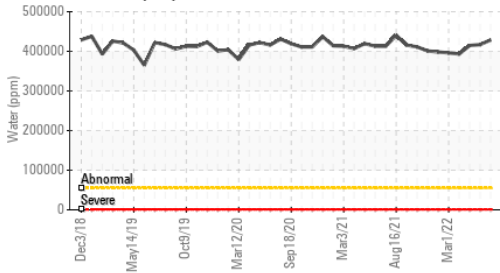
Reserve Alkalinity



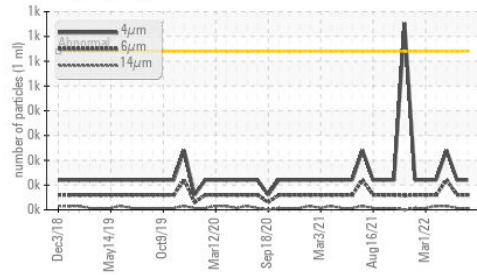
Particle Count



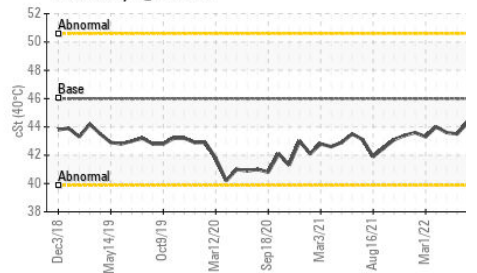
Water (KF)



Particle Trend

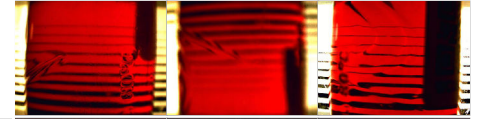


Viscosity @ 40°C



VISUAL

Color



Bottom

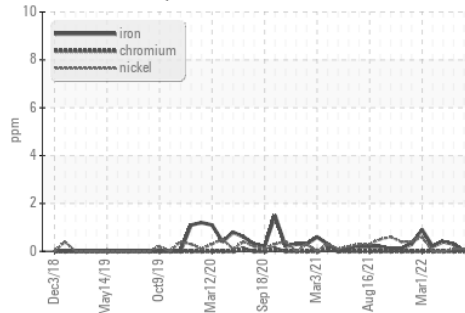


PrtFilter

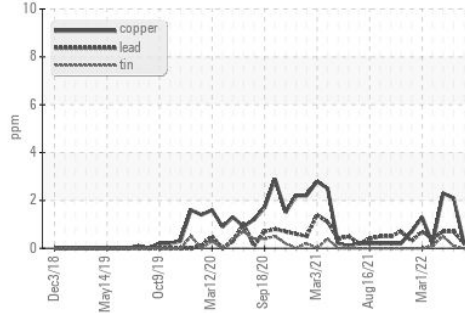


GRAPHS

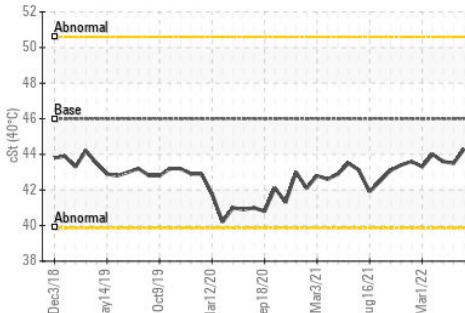
Ferrous Alloys



Non-ferrous Metals



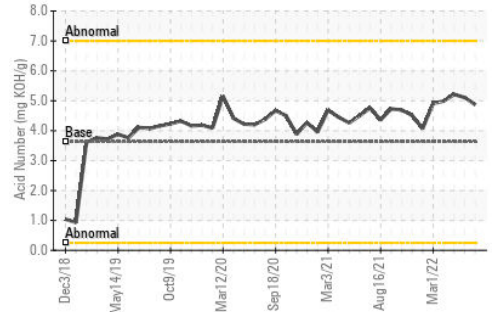
Viscosity @ 40°C



Particle Filter (Magn: 100 x)



Acid Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **ALGOMA STEEL INC. - STORES DEPT.**
Sample No. : WC0690044 **Received** : 13 Jul 2022 **301 WALLACE TERRACE**
Lab Number : 02499627 **Tested** : 19 Jul 2022 **SAULT STE MARIE, ON**
Unique Number : 5424587 **Diagnosed** : 19 Jul 2022 - Kevin Marson **CA P6C 1K8**
Test Package : IND 2 (Additional Tests: KF, pH, PrtFilter, PrtFilterPrep, ReserveAlk, TAN) **Contact:** Algoma Reliability **algomareliability@algoma.com**

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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 F: (705)945-3585