

OIL ANALYSIS REPORT

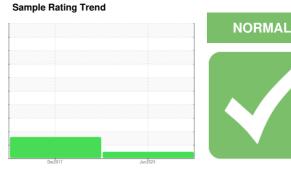
Area

Direct Strip Mill/Finishing HPWG EAST BULK TANK

Bulk Fluid Tank

Fluid

HOUGHTON HOUGHTO-SAFE 620 (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wood

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.

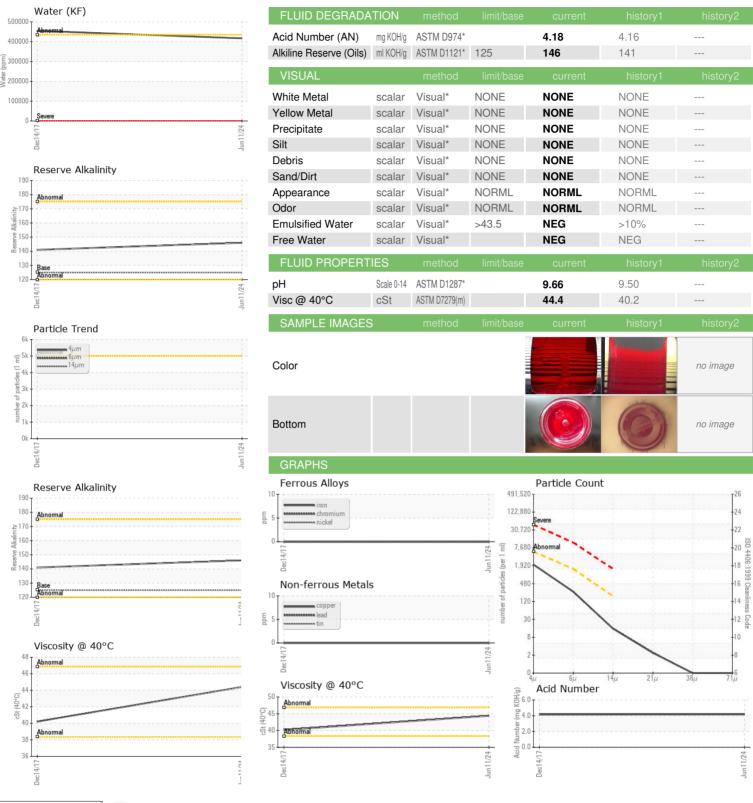
Fluid Condition

The 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 INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0931242	WC0286765	
Sample Date		Client Info		11 Jun 2024	14 Dec 2017	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		0	0	
Chromium	ppm	ASTM D5185(m)		0	0	
Nickel	ppm	ASTM D5185(m)		0	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		<1	0	
Aluminum	ppm	ASTM D5185(m)		<1	<1	
Lead	ppm	ASTM D5185(m)		0	0	
Copper	ppm	ASTM D5185(m)		0	0	
Tin	ppm	ASTM D5185(m)		0	0	
Antimony	ppm	ASTM D5185(m)		0	<1	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2	<1	
Barium	ppm	ASTM D5185(m)		1	0	
Molybdenum	ppm	ASTM D5185(m)		0	0	
Manganese	ppm	ASTM D5185(m)		0	0	
Magnesium	ppm	ASTM D5185(m)		<1	3	
Calcium	ppm	ASTM D5185(m)		<1	0	
Phosphorus	ppm	ASTM D5185(m)		0	0	
Zinc	ppm	ASTM D5185(m)		0	0	
Sulfur	ppm	ASTM D5185(m)		48	1	
Lithium	ppm	ASTM D5185(m)		<1	0	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		<1	0	
Sodium	ppm	ASTM D5185(m)		21	14	
Potassium	ppm	ASTM D5185(m)	>20	28	11	
Water	%	ASTM D6304*	>43.5	41.7	△ 45.5	
ppm Water	ppm	ASTM D6304*	>435000	417000	△ 455000	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
D :: 1 4		ASTM D7647	>5000	1830		
Particles >4µm		A31101 D7047		1000		
Particles >4µm Particles >6µm		ASTM D7647		226		
Particles >6µm			>1300			
Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647	>1300	226 13		
Particles >6μm Particles >14μm Particles >21μm		ASTM D7647	>1300 >160	226		
Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647 ASTM D7647	>1300 >160 >40	226 13 2		



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: WC0931242 : 02642153 Unique Number : 5799692

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 ALGOMA STEEL INC. - STORES DEPT. Received : 14 Jun 2024

Tested : 17 Jun 2024 Diagnosed

: 17 Jun 2024 - Kevin Marson

Test Package : IND 2 (Additional Tests: KF, pH, PRTCOUNT, ReserveAlk, TAN Man) To discuss this sample report, contact Customer Service at 1-800-268-2131.

john.vincent@algoma.com T: (705)206-0974 F: (705)945-3585

301 WALLACE TERRACE

SAULT STE MARIE, ON

Contact: John Vincent

Validity of results and interpretation are based on the sample and information as supplied. Report Id: ALGSSM [WCAMIS] 02642153 (Generated: 06/17/2024 14:32:11) Rev: 1

Contact/Location: Central Maintenace - John Vincent - ALGSSM

CA P6C 1K8