

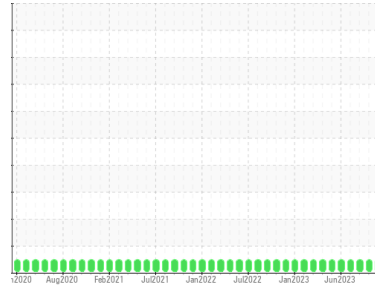


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Area
Direct Strip Mill/Finishing
 Machine Id
#3 DESCALER PUMP LUBE SYSTEM (DSC043) (S/N 1000009811)
 Component
Gear Lube System
 Fluid
SHELL OMALA 68 (150 LTR)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0837585	WC0837431	WC0837314
Sample Date	Client Info	18 Jan 2024	14 Nov 2023	26 Sep 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		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	0	0
Iron	ppm	ASTM D5185(m) >150	<1	<1
Chromium	ppm	ASTM D5185(m) >10	0	0
Nickel	ppm	ASTM D5185(m) >10	<1	<1
Titanium	ppm	ASTM D5185(m)	0	0
Silver	ppm	ASTM D5185(m)	0	<1
Aluminum	ppm	ASTM D5185(m) >25	<1	0
Lead	ppm	ASTM D5185(m) >100	0	<1
Copper	ppm	ASTM D5185(m) >50	4	4
Tin	ppm	ASTM D5185(m) >10	0	0
Antimony	ppm	ASTM D5185(m) >5	0	0
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	2
Barium	ppm	ASTM D5185(m)	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0
Manganese	ppm	ASTM D5185(m)	0	0
Magnesium	ppm	ASTM D5185(m)	<1	0
Calcium	ppm	ASTM D5185(m)	3	2
Phosphorus	ppm	ASTM D5185(m)	196	201
Zinc	ppm	ASTM D5185(m)	8	7
Sulfur	ppm	ASTM D5185(m)	4274	4257
Lithium	ppm	ASTM D5185(m)	<1	<1

CONTAMINANTS

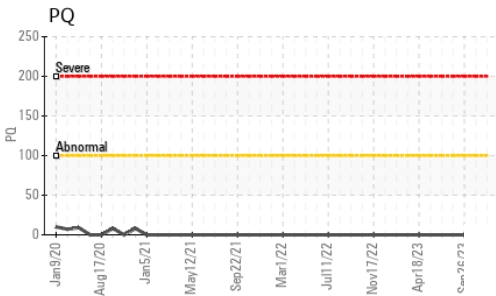
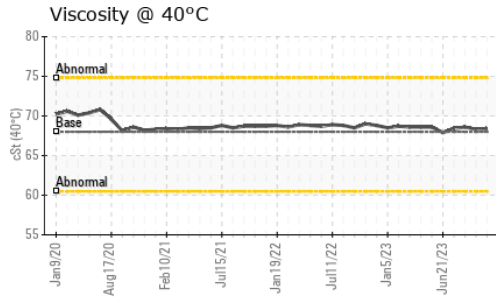
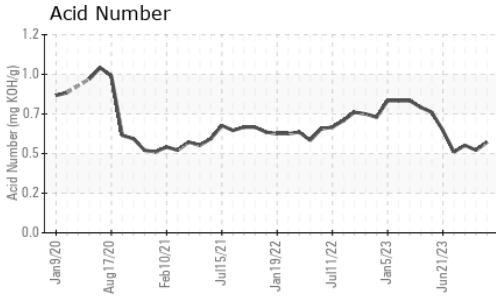
method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<1	<1
Sodium	ppm	ASTM D5185(m)	0	<1
Potassium	ppm	ASTM D5185(m) >20	<1	0

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.55	0.50



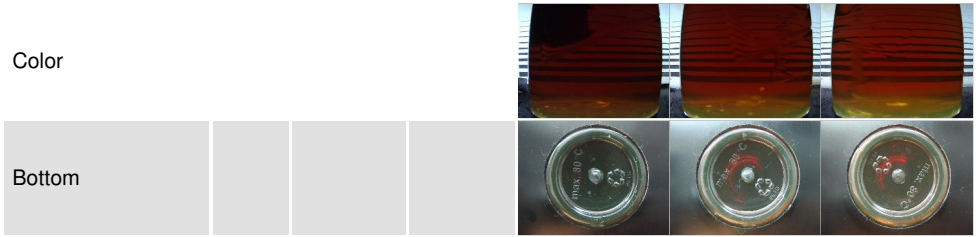
OIL ANALYSIS REPORT



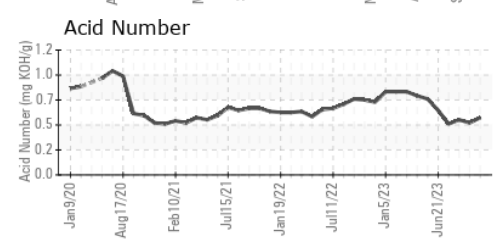
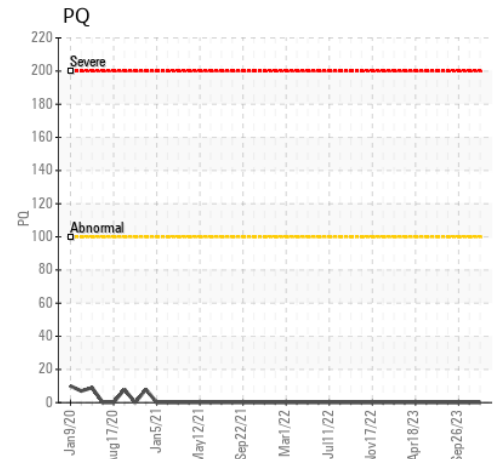
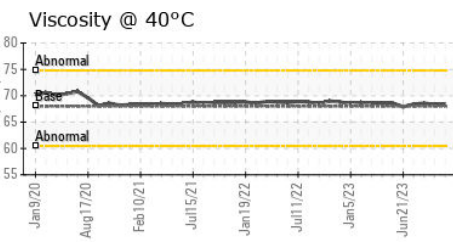
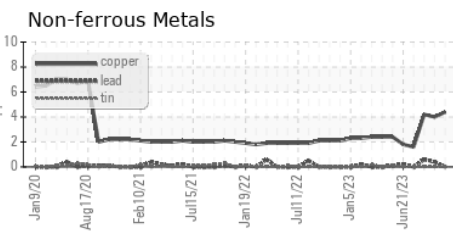
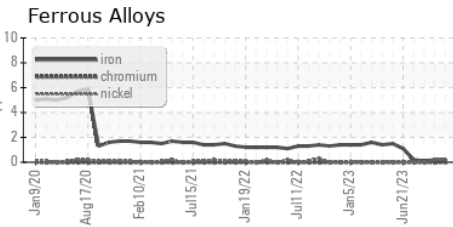
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	68.0	68.4	68.3	68.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **ALGOMA STEEL INC. - STORES DEPT.**
Sample No. : WC0837585 **Received** : 22 Jan 2024 301 WALLACE TERRACE
Lab Number : **02610432** **Diagnosed** : 23 Jan 2024 SAULT STE MARIE, ON
Unique Number : 5711518 **Diagnostician** : Wes Davis CA P6C 1K8
Test Package : IND 2 (Additional Tests: TAN Man) 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.