

OIL ANALYSIS REPORT

Acid Number (AN)

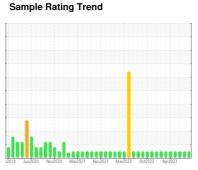
mg KOH/g ASTM D974* 0.85

Direct Strip Mill/Finishing HSM 460 BLK (S/N DSC 200)

Component

Gear Lube System

GEAR OIL ISO 460 (--- GAL)





DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

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 INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0837397	WC0780861	WC0813708
Sample Date		Client Info		27 Sep 2023	08 Aug 2023	21 Jun 2023
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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>150	<1	<1	<1
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)	>10	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>25	0	<1	0
Lead	ppm	ASTM D5185(m)	>100	<1	0	<1
Copper	ppm	ASTM D5185(m)	>50	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Antimony	ppm	ASTM D5185(m)	>5	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	50	<1	<1	<1
Barium	ppm	ASTM D5185(m)	15	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	15	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	50	0	<1	0
Calcium	ppm	ASTM D5185(m)	50	<1	<1	9
Phosphorus	ppm	ASTM D5185(m)	350	234	261	273
Zinc	ppm	ASTM D5185(m)	100	2	2	5
Sulfur	ppm	ASTM D5185(m)	12500	9091	8893	9295
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	3	4	3
Sodium	ppm	ASTM D5185(m)		<1	0	0
Potassium	ppm	ASTM D5185(m)	>20	0	0	<1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A - ! - ! N ! (ANI)		A OTA A DOZ 4*	0.05	0.00	0.40	0.50

0.69

0.46

0.53



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 ALGOMA STEEL INC. - STORES DEPT. : 5655264

: WC0837397 : 02586198

Received Diagnosed

: 02 Oct 2023 : 02 Oct 2023

: Wes Davis Diagnostician

Test Package : IND 2 (Additional Tests: TAN Man)

SAULT STE MARIE, ON CA P6C 1K8 Contact: Algoma Reliability

algomareliability@algoma.com

301 WALLACE TERRACE

T: (705)206-1059 F: (705)945-3585

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.