

OIL ANALYSIS REPORT

Iron

Lead

Tin

Zinc

Particles >71µm

Oil Cleanliness

ASTM D7647 >3

0

ISO 4406 (c) >16/14/11 | 17/15/11

Plate Mill/166 Hot Mill LEVELLER HYD (PLS014) (S/N 1000001191) Component

Hydraulic System

HOUGHTON HOUGHTO-SAFE 620 (--- GAL)

DIAGNOSIS

Recommendation

Due to this condition we recommend the following action... We advise an early resample to confirm this situation. NOTE: The current sample results do not match this units historical trend, indicating the sample may not be from this component/unit.

Wear

All component wear rates are normal.

Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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



0

16/14/12

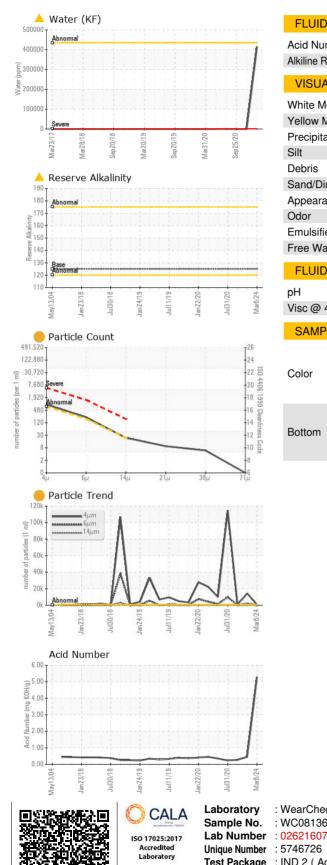
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21/18/13



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FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		5.28	0.45	0.27
Alkiline Reserve (Oils)	ml KOH/g	ASTM D1121*	125	<u> </u>		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	FRGLY	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>43.5	>10%	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
рН	Scale 0-14	ASTM D1287*		9.17		
Visc @ 40°C	cSt	ASTM D7279(m)		42.6	45.6	46.0
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom						

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 ALGOMA STEEL INC. - STORES DEPT. : WC0813611 Received : 12 Mar 2024 301 WALLACE TERRACE Lab Number : 02621607 Tested : 14 Mar 2024 SAULT STE MARIE, ON Diagnosed : 14 Mar 2024 - Kevin Marson CA P6C 1K8 Test Package : IND 2 (Additional Tests: KF, pH, ReserveAlk, TAN Man) Contact: Algoma Reliability To discuss this sample report, contact Customer Service at 1-800-268-2131. algomareliability@algoma.com Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (705)206-1059 Validity of results and interpretation are based on the sample and information as supplied. F: (705)945-3585