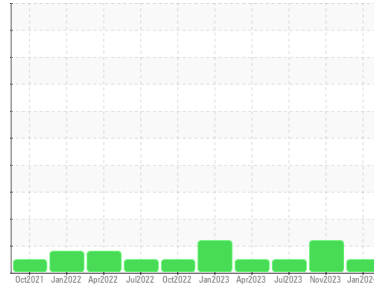


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
Reversing Mill
 Machine Id
[Reversing Mill] 120125-STAND 1 MOTOR DRIVE END BEARING
 Component
Drive End Circulating System
 Fluid
SHELL TURBO T ISO 68 (--- GAL)

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	PCA0112976	PCA0101538	PCA0101588
Sample Date	Client Info	17 Jan 2024	21 Nov 2023	23 Jul 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	ABNORMAL	NORMAL

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	21	---	20
Iron	ppm	ASTM D5185m	5	14
Chromium	ppm	ASTM D5185m	<1	<1
Nickel	ppm	ASTM D5185m	0	<1
Titanium	ppm	ASTM D5185m	<1	<1
Silver	ppm	ASTM D5185m	0	0
Aluminum	ppm	ASTM D5185m	2	2
Lead	ppm	ASTM D5185m	0	0
Copper	ppm	ASTM D5185m	<1	<1
Tin	ppm	ASTM D5185m	0	0
Vanadium	ppm	ASTM D5185m	0	0
Cadmium	ppm	ASTM D5185m	0	<1

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0
Barium	ppm	ASTM D5185m	<1	0
Molybdenum	ppm	ASTM D5185m	0	<1
Manganese	ppm	ASTM D5185m	0	0
Magnesium	ppm	ASTM D5185m	0	0
Calcium	ppm	ASTM D5185m	0	0
Phosphorus	ppm	ASTM D5185m	3	2
Zinc	ppm	ASTM D5185m	0	0
Sulfur	ppm	ASTM D5185m	0	0

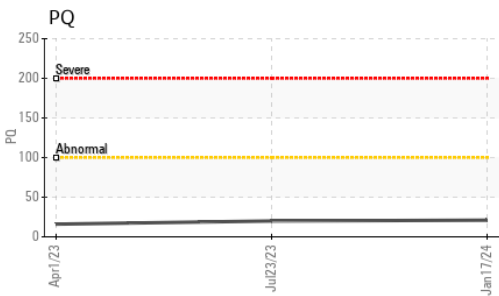
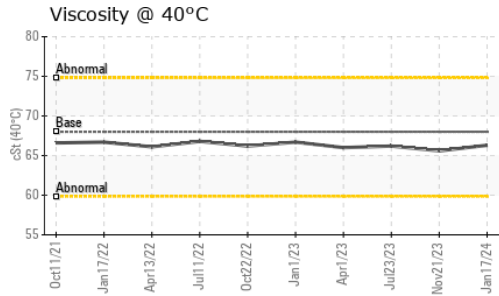
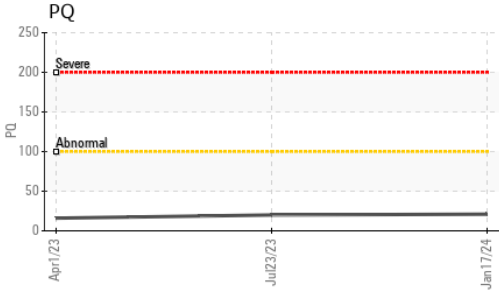
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1	<1
Sodium	ppm	ASTM D5185m	0	0
Potassium	ppm	ASTM D5185m	>20	<1

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	---	▲ 54943
Particles >6µm	ASTM D7647	>1300	---	▲ 2035
Particles >14µm	ASTM D7647	>160	---	10
Particles >21µm	ASTM D7647	>40	---	2
Particles >38µm	ASTM D7647	>10	---	0
Particles >71µm	ASTM D7647	>3	---	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	---	▲ 23/18/10

OIL ANALYSIS REPORT

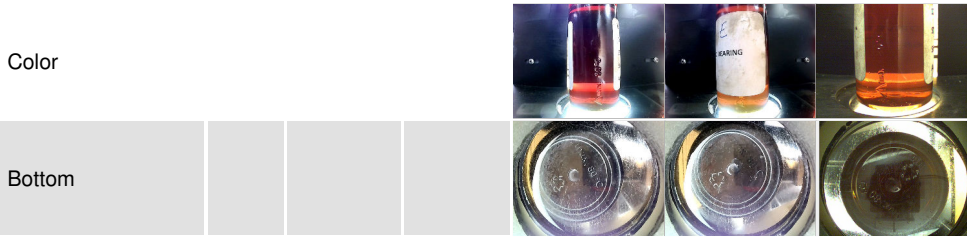


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	.05	0.087	0.05	0.043

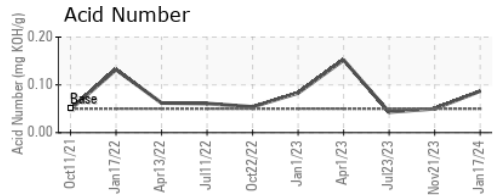
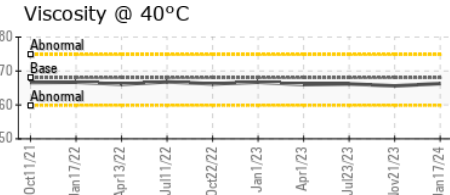
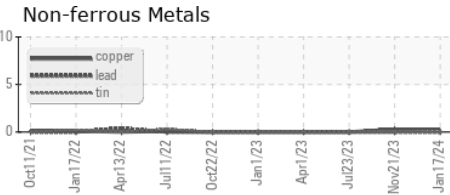
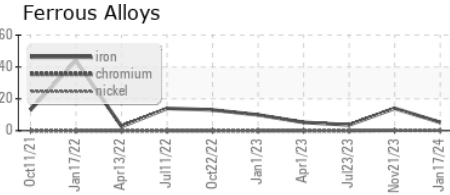
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68	66.3	65.6	66.2

SAMPLE IMAGES



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0112976 **Received** : 18 Jan 2024
Lab Number : 06065070 **Diagnosed** : 02 Feb 2024
Unique Number : 10836452 **Diagnostician** : Doug Bogart
Test Package : PLANT

SDI - Steel Dynamics Inc. - Heartland
 455 West Industrial Drive
 Terre Haute, IN
 US 47802
 Contact: BRAD ELLIS
 brad.ellis@steeldynamics.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: