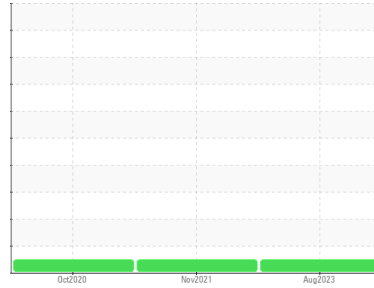


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
24A
Machine Id
[24A] 24A Roll Mill Gearbox
Component
Circulating System
Fluid
MOBIL SHC 634 (--- 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	PCA0049842	PCA0049850	PCA0024777
Sample Date	Client Info	15 Aug 2023	04 Nov 2021	22 Oct 2020
Machine Age	hrs	Client Info	8760	0
Oil Age	hrs	Client Info	8760	0
Oil Changed	Client Info	Oil Added	N/A	Changed
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	144	<1	<1
Chromium	ppm	ASTM D5185m	2	0	0
Nickel	ppm	ASTM D5185m	<1	<1	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	0	<1	<1
Aluminum	ppm	ASTM D5185m	2	<1	0
Lead	ppm	ASTM D5185m	0	<1	0
Copper	ppm	ASTM D5185m	4	<1	<1
Tin	ppm	ASTM D5185m	<1	<1	<1
Antimony	ppm	ASTM D5185m	---	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	67	72	46
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0
Manganese	ppm	ASTM D5185m	2	0	0
Magnesium	ppm	ASTM D5185m	3	0	0
Calcium	ppm	ASTM D5185m	32	0	1
Phosphorus	ppm	ASTM D5185m	284	307	267
Zinc	ppm	ASTM D5185m	15	0	0
Sulfur	ppm	ASTM D5185m	7512	6859	8381

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	17	2	5
Sodium	ppm	ASTM D5185m	9	0	0
Potassium	ppm	ASTM D5185m	>20	<1	<1

FLUID DEGRADATION

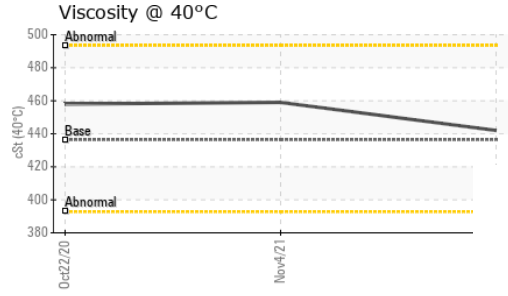
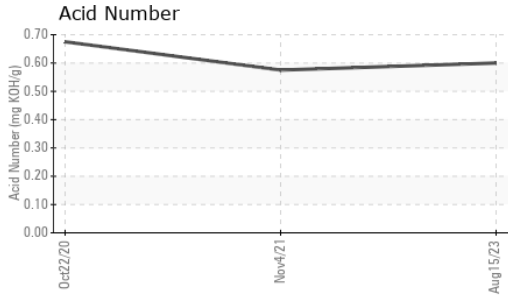
method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.60	0.575	0.675

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	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

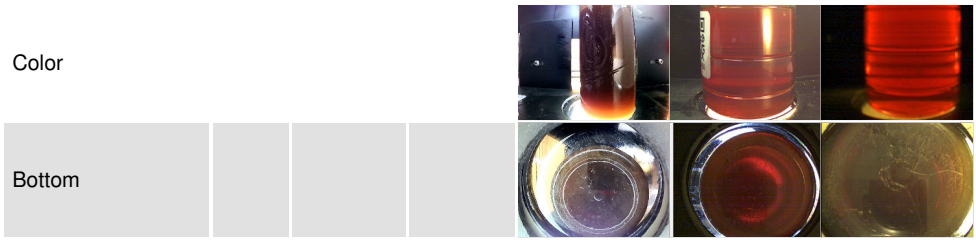


OIL ANALYSIS REPORT

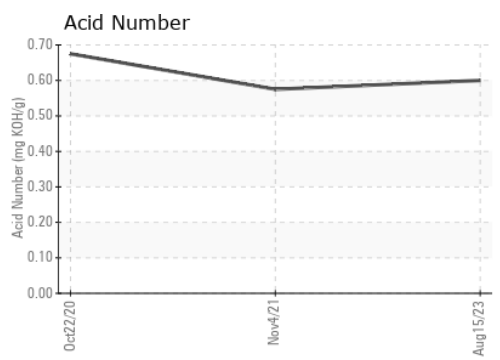
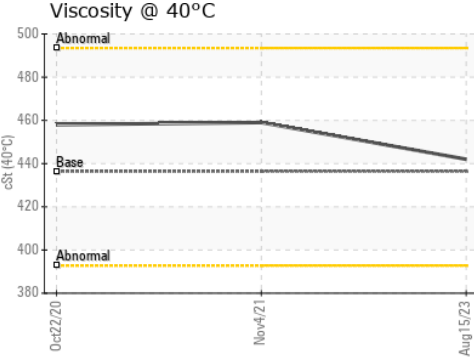
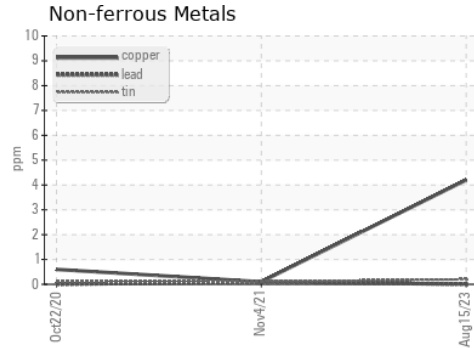
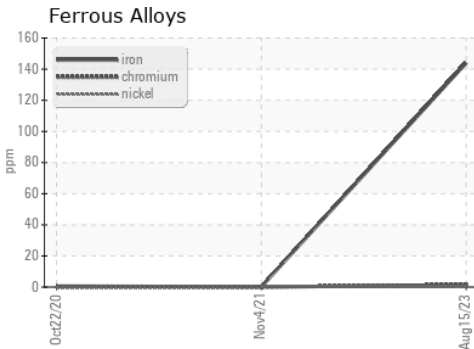


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	436.4	442	459	458

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0049842 **Received** : 22 Aug 2023
Lab Number : **05931642** **Diagnosed** : 25 Aug 2023
Unique Number : 10616913 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: PQ)

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)

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