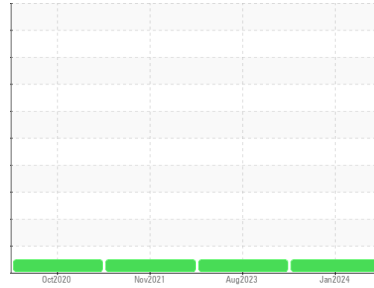


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
24A
 Machine Id
[24A] 24A Roll Mill Bearing Oil
 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		PCA0076335	PCA0076290	PCA0049841
Sample Date	Client Info		11 Jan 2024	15 Aug 2023	04 Nov 2021
Machine Age	hrs	Client Info	0	8760	0
Oil Age	hrs	Client Info	13410	8760	0
Oil Changed	Client Info		Not Changed	Oil Added	N/A
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		30	---	---
Iron	ppm	ASTM D5185m	30	27	26
Chromium	ppm	ASTM D5185m	0	<1	<1
Nickel	ppm	ASTM D5185m	0	0	<1
Titanium	ppm	ASTM D5185m	0	0	<1
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m	0	<1	<1
Lead	ppm	ASTM D5185m	0	0	<1
Copper	ppm	ASTM D5185m	9	9	14
Tin	ppm	ASTM D5185m	<1	<1	<1
Antimony	ppm	ASTM D5185m	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0	8
Barium	ppm	ASTM D5185m	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1
Manganese	ppm	ASTM D5185m	1	1	<1
Magnesium	ppm	ASTM D5185m	1	<1	0
Calcium	ppm	ASTM D5185m	58	64	90
Phosphorus	ppm	ASTM D5185m	166	178	301
Zinc	ppm	ASTM D5185m	223	237	334
Sulfur	ppm	ASTM D5185m	4969	6267	6072

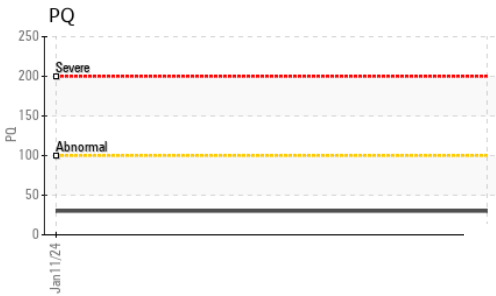
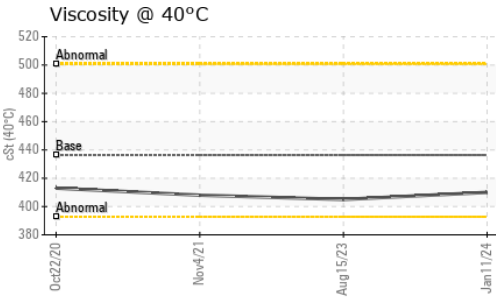
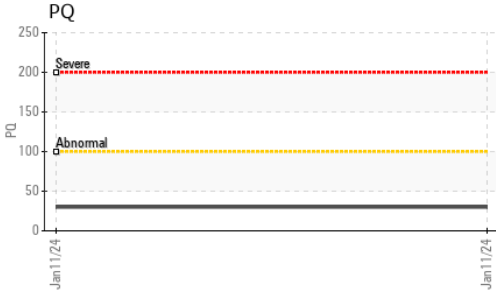
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	2	2	<1
Sodium	ppm	ASTM D5185m	1	2	<1
Potassium	ppm	ASTM D5185m	>20	0	0
Water	%	ASTM D6304	NEG	NEG	NEG

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.89	1.05	1.147

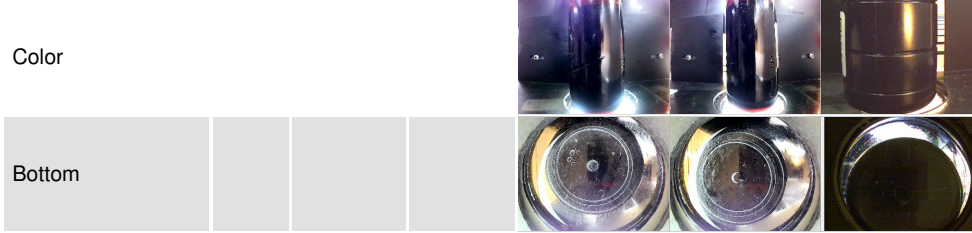
OIL ANALYSIS REPORT



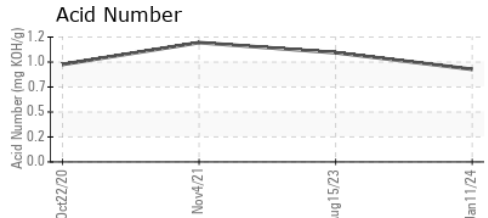
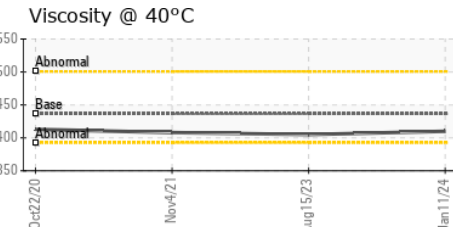
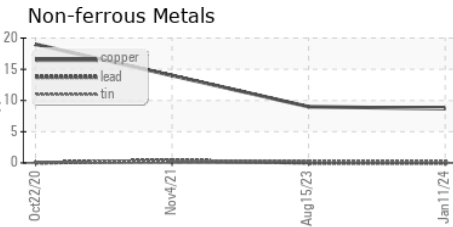
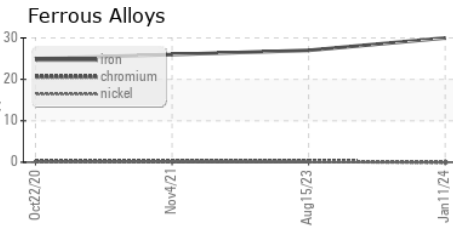
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	436.4	410	405

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0076335 **Recieved** : 24 Jan 2024
Lab Number : 06070090 **Diagnosed** : 26 Jan 2024
Unique Number : 10846767 **Diagnostician** : Jonathan Hester
Test Package : PLANT

ACHILLES USA INC
 1407 80TH STREET SW
 EVERETT, WA
 US 98203
 Contact: TONY DEHLER
 tdehler@achillesusa.com
 T: (425)438-4681
 F:

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)