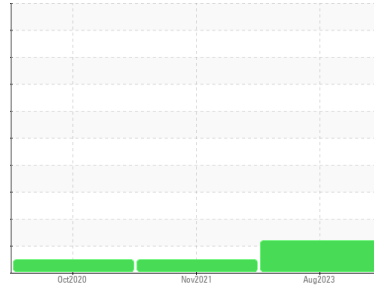


# PROBLEM SUMMARY

Area  
**24A**  
 Machine Id  
**[24A] 24A Calender Bearing Oil**  
 Component  
**Circulating System**  
 Fluid  
**MOBIL SHC 630 (--- GAL)**

Sample Rating Trend



## VISUAL METAL



## COMPONENT CONDITION SUMMARY

No relevant graphs to display


### RECOMMENDATION

We suspect abnormal metal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

### PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	NORMAL
Yellow Metal	scalar	*Visual	NONE	▲ MODER	NONE	NONE

**Customer Id:** ACHEVE  
**Sample No.:** PCA0076291  
**Lab Number:** 05931645  
**Test Package:** PLANT



*To manage this report scan the QR code*

*To discuss the diagnosis or test data:*  
 Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

*To change component or sample information:*  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

### 04 Nov 2021 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 22 Oct 2020 Diag: Doug Bogart

NORMAL



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report

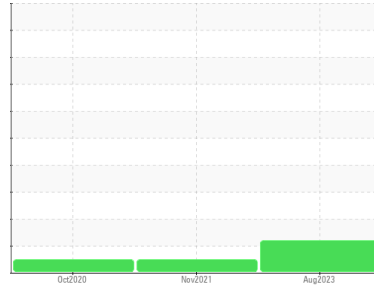


# OIL ANALYSIS REPORT

Sample Rating Trend

**VISUAL METAL**

Area  
**24A**  
Machine Id  
[24A] 24A Calender Bearing Oil  
Component  
Circulating System  
Fluid  
MOBIL SHC 630 (--- GAL)



## DIAGNOSIS

### Recommendation

We suspect abnormal metal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

Moderate concentration of visible metal present. 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			<b>PCA0076291</b>	PCA0049849	PCA0024781
Sample Date	Client Info			<b>15 Aug 2023</b>	04 Nov 2021	22 Oct 2020
Machine Age	hrs	Client Info		<b>8760</b>	0	0
Oil Age	hrs	Client Info		<b>8760</b>	0	0
Oil Changed	Client Info			<b>Oil Added</b>	N/A	Changed
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		<b>257</b>	36	<1
Chromium	ppm	ASTM D5185m		<b>4</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Lead	ppm	ASTM D5185m		<b>5</b>	2	0
Copper	ppm	ASTM D5185m		<b>76</b>	17	4
Tin	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Antimony	ppm	ASTM D5185m		<b>---</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

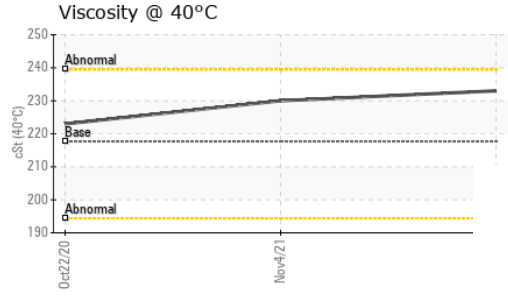
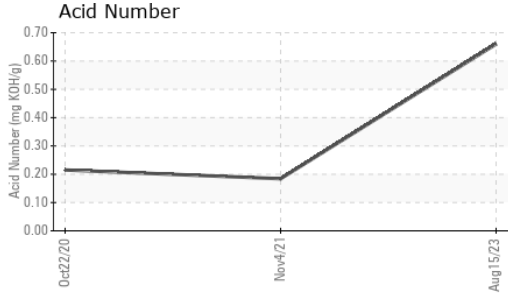
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	2	3
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Phosphorus	ppm	ASTM D5185m		<b>210</b>	94	189
Zinc	ppm	ASTM D5185m		<b>50</b>	4	0
Sulfur	ppm	ASTM D5185m		<b>2283</b>	1001	1013

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<b>6</b>	0	<1
Sodium	ppm	ASTM D5185m		<b>2</b>	0	0
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	<1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.66</b>	0.184	0.215

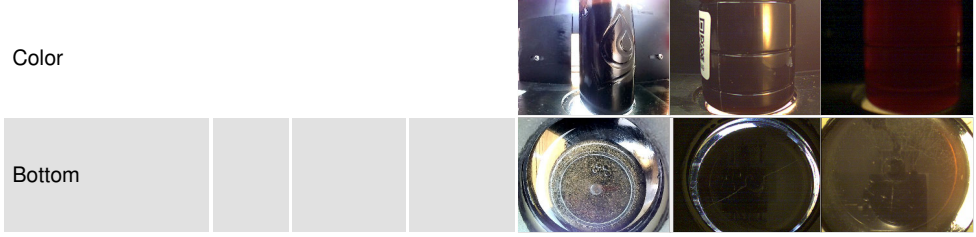
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE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

# OIL ANALYSIS REPORT

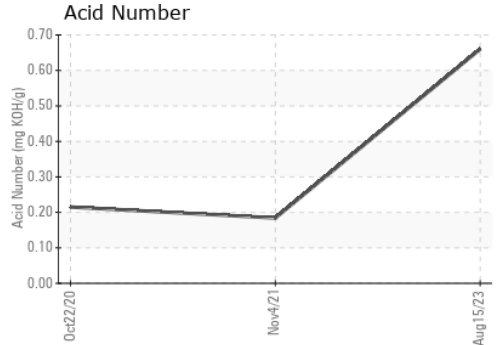
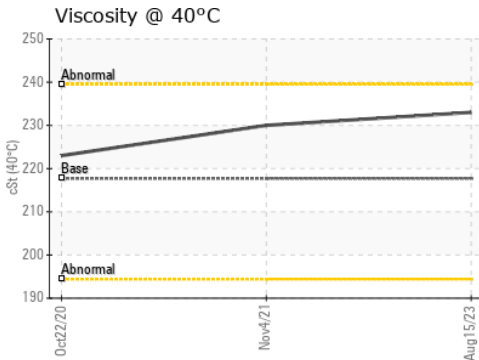
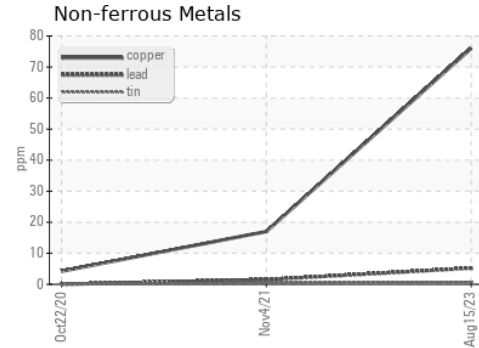
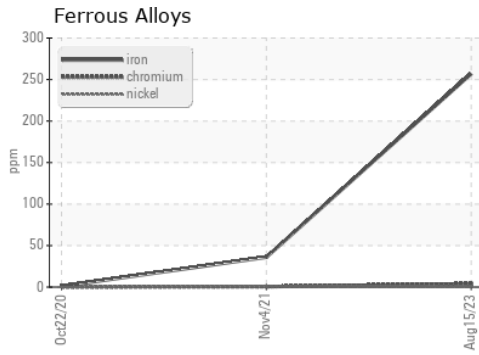


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	217.7	<b>233</b>	230	223

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



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0076291 **Received** : 22 Aug 2023  
**Lab Number** : **05931645** **Diagnosed** : 25 Aug 2023  
**Unique Number** : 10616916 **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:

Certificate L2367  
 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)