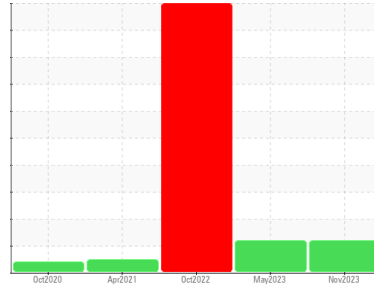




# PROBLEM SUMMARY

Area  
**SYNOIL 8K**  
 Machine Id  
**QUINCY QSI-245 98169 - PAPER CONVERTING MACHINE CO**  
 Component  
**Compressor**

Sample Rating Trend

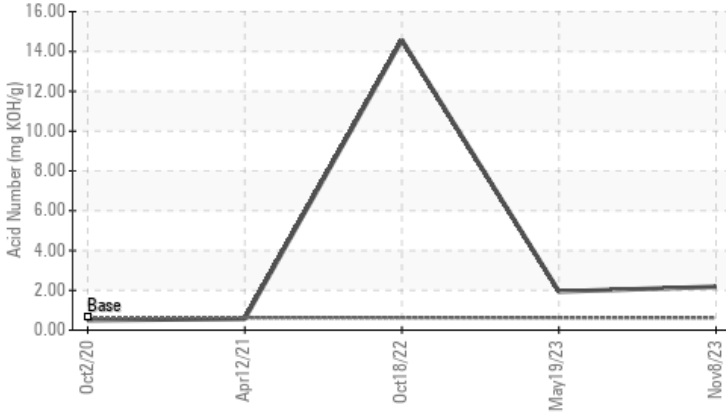


**DEGRADATION**



## COMPONENT CONDITION SUMMARY

▲ Acid Number



## RECOMMENDATION

The oil is near the end of its useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status		ATTENTION	ATTENTION	SEVERE
Acid Number (AN)	mg KOH/g ASTM D8045 0.622	▲ 2.18	▲ 1.94	● 14.57

Customer Id: UCZORGRE  
 Sample No.: UCZ06007775  
 Lab Number: 06007775  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

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

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Service/change Fluid	---	---	?	The oil is near the end of it's useful service life, recommend schedule an oil change.

## HISTORICAL DIAGNOSIS

### 19 May 2023 Diag: Jonathan Hester

#### DEGRADATION



The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is at the top-end of the recommended limit.

view report



### 18 Oct 2022 Diag: Angela Borella

#### WEAR



We advise that you check for a possible overheat condition. Recommend drain oil if not already done and flush with cleaner before refilling with oil. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is abnormal. All other component wear rates are normal. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is above the recommended limit. TAN level indicates possible presence of varnish.

view report



### 12 Apr 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.

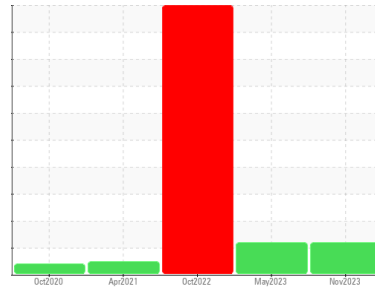
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



**DEGRADATION**



Area  
**SYNOIL 8K**  
 Machine Id  
**QUINCY QSI-245 98169 - PAPER CONVERTING MACHINE CO**  
 Component  
**Compressor**

**DIAGNOSIS**

**Recommendation**

The oil is near the end of its useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

**Wear**

All component wear rates are normal.

**Contamination**

High concentration of visible dirt/debris present in the oil.

**Fluid Condition**

The AN level is at the top-end of the recommended limit.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>UCZ06007775</b>	UCZ05860905	UCZ05675767
Sample Date	Client Info			<b>08 Nov 2023</b>	19 May 2023	18 Oct 2022
Machine Age	hrs Client Info			<b>81719</b>	81716	81347
Oil Age	hrs Client Info			<b>34</b>	31	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	ATTENTION	SEVERE

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>24</b>	29	104
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>0</b>	5	<1
Lead	ppm	ASTM D5185m	>65	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>65	<b>2</b>	0	6
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Antimony	ppm	ASTM D5185m		<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.3	<b>&lt;1</b>	0	4
Barium	ppm	ASTM D5185m	0.3	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	0.9	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m	0.2	<b>0</b>	<1	0
Calcium	ppm	ASTM D5185m	0.1	<b>0</b>	0	4
Phosphorus	ppm	ASTM D5185m	429	<b>306</b>	374	431
Zinc	ppm	ASTM D5185m	0.3	<b>0</b>	0	11
Sulfur	ppm	ASTM D5185m	1336	<b>531</b>	1061	316

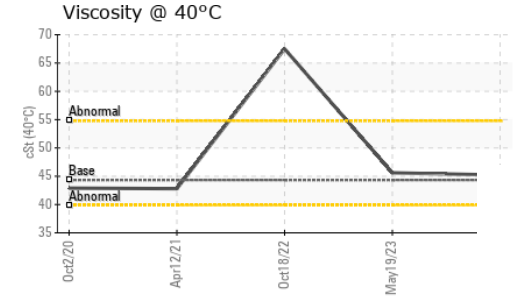
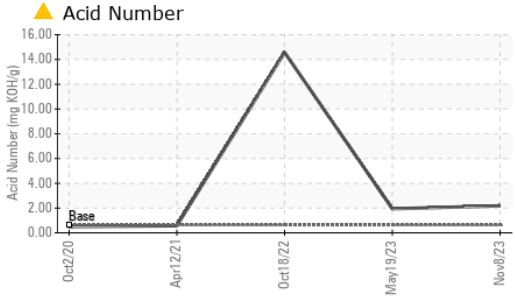
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<b>2</b>	0	1
Sodium	ppm	ASTM D5185m		<b>2</b>	2	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	2

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.622	<b>▲ 2.18</b>	▲ 1.94	● 14.57

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</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>HEAVY</b>	MODER	▲ MODER
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	>0.1	<b>NEG</b>	NEG	0.2%
Free Water	scalar	*Visual		<b>NEG</b>		

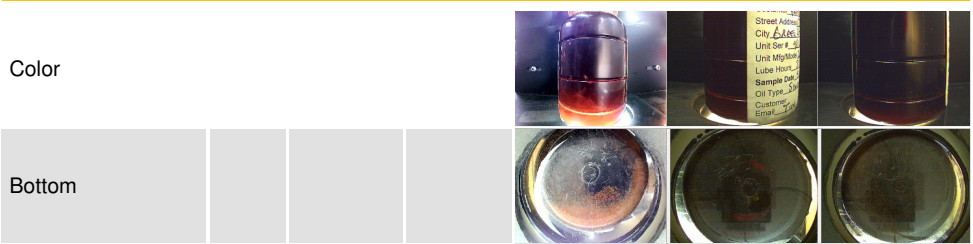


# OIL ANALYSIS REPORT

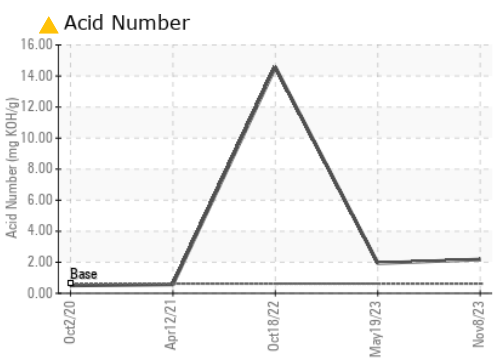
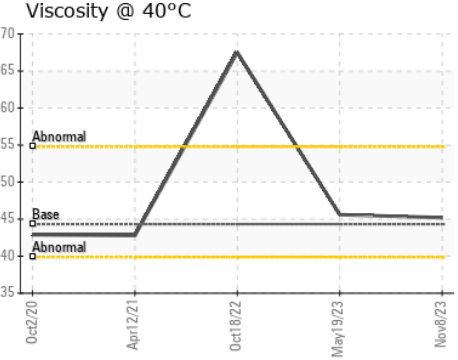
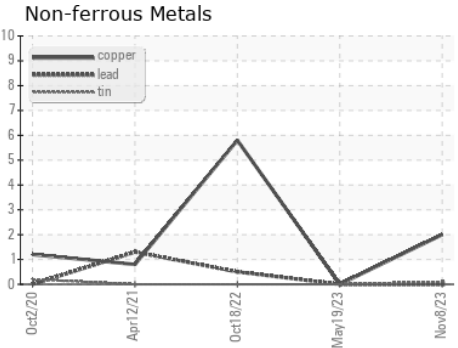
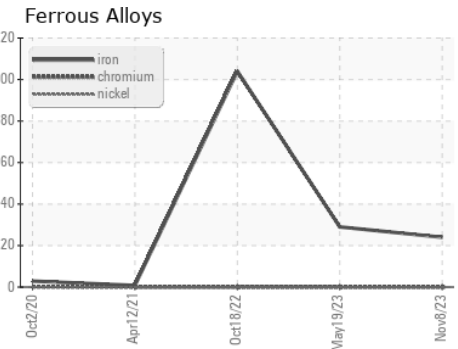


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.32	<b>45.2</b>	45.6	67.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCZ06007775 **Received** : 14 Nov 2023  
**Lab Number** : **06007775** **Diagnosed** : 16 Nov 2023  
**Unique Number** : 10741537 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**ZORN COMP & EQUIPMENT CO (GB)**  
 733 POTTS AVE  
 GREEN BAY, WI  
 US 54304  
 Contact: DEAN SCHAD  
 dean.schad@zornair.com  
 T: (920)391-8121  
 F: (920)499-1168

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)