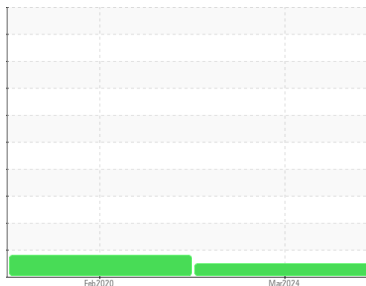




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**SYNOIL 8K PLUS**  
 Machine Id  
**QUINCY QSB-50 94479 - CAPITOL STAMPINGS**  
 Component  
**Compressor**

### DIAGNOSIS

#### Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

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

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>UCZ06143182</b>	UCZ04927110	---
Sample Date	Client Info			<b>25 Mar 2024</b>	28 Feb 2020	---
Machine Age	hrs	Client Info		<b>37631</b>	33327	---
Oil Age	hrs	Client Info		<b>500</b>	0	---
Oil Changed	Client Info			<b>Not Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	ATTENTION	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>30</b>	66	---
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m		<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>15	<b>3</b>	<1	---
Lead	ppm	ASTM D5185m	>65	<b>0</b>	2	---
Copper	ppm	ASTM D5185m	>65	<b>2</b>	4	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185m		<b>---</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

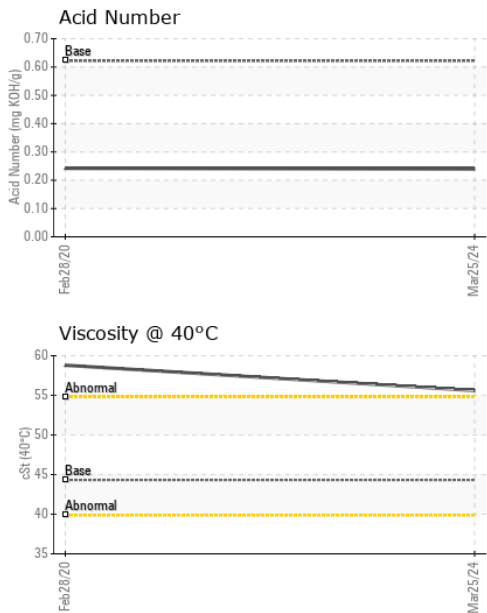
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.3	<b>0</b>	<1	---
Barium	ppm	ASTM D5185m	0.3	<b>10</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	0.9	<b>4</b>	11	---
Magnesium	ppm	ASTM D5185m	0.2	<b>0</b>	0	---
Calcium	ppm	ASTM D5185m	0.1	<b>0</b>	0	---
Phosphorus	ppm	ASTM D5185m	429	<b>240</b>	182	---
Zinc	ppm	ASTM D5185m	0.3	<b>0</b>	14	---
Sulfur	ppm	ASTM D5185m	1336	<b>334</b>	562	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<b>4</b>	11	---
Sodium	ppm	ASTM D5185m		<b>4</b>	1	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.622	<b>0.24</b>	0.242	---



# OIL ANALYSIS REPORT



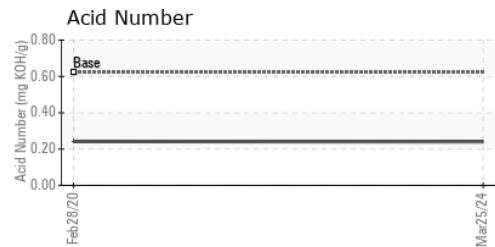
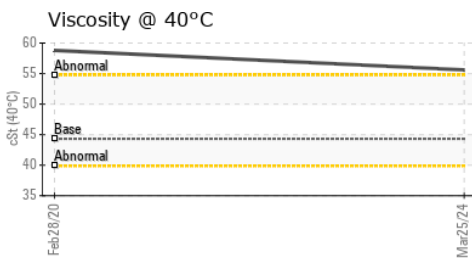
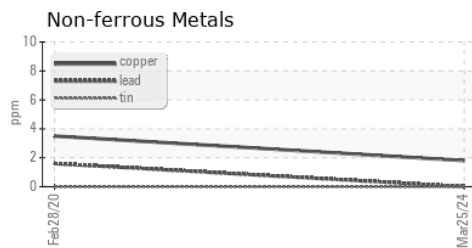
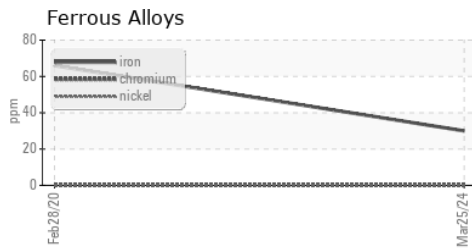
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>MODER</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.32	<b>55.6</b>	58.8	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color						no image
Bottom						no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCZ06143182      **Received** : 09 Apr 2024  
**Lab Number** : **06143182**      **Tested** : 10 Apr 2024  
**Unique Number** : 10967990      **Diagnosed** : 11 Apr 2024 - Angela Borella  
**Test Package** : IND 2

**ZORN COMP & EQUIPMENT INC - MAIN**  
 1335 E WISCONSIN AVE  
 PEWAUKEE, WI  
 US 53072  
 Contact: AARON LANE  
 aaron.lane@zornair.com  
 T: (800)476-4637  
 F: (262)695-7017

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)