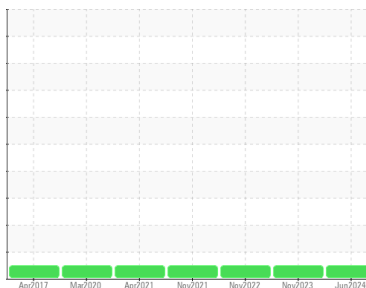




# OIL ANALYSIS REPORT

Area  
**SYNOIL 8K**  
 Machine Id  
**QUINCY QSI-500 97444 - PARKER**  
 Component  
**Compressor**

Sample Rating Trend



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of visible silt present in the sample. High concentration of visible dirt/debris present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCZ06206668</b>	UCZ06020025	UCZ05696392
Sample Date	Client Info		<b>04 Jun 2024</b>	20 Nov 2023	08 Nov 2022
Machine Age	hrs	Client Info	<b>123606</b>	122696	116692
Oil Age	hrs	Client Info	<b>4041</b>	3131	3035
Oil Changed		Client Info	<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

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

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.3	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 0.3	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m 0.9	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m 0.2	<b>&lt;1</b>	<1	0
Calcium	ppm	ASTM D5185m 0.1	<b>0</b>	<1	0
Phosphorus	ppm	ASTM D5185m 429	<b>350</b>	365	534
Zinc	ppm	ASTM D5185m 0.3	<b>23</b>	<1	62
Sulfur	ppm	ASTM D5185m 1336	<b>851</b>	872	526

## CONTAMINANTS

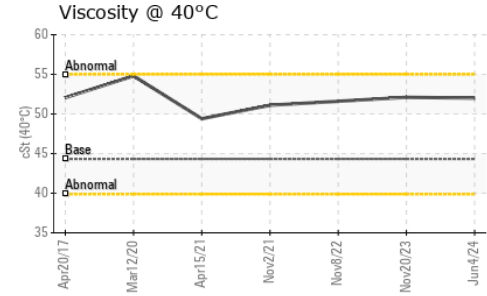
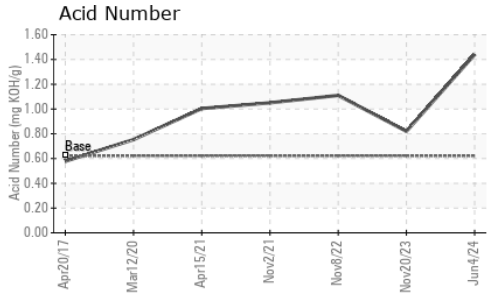
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	<b>2</b>	3	3
Sodium	ppm	ASTM D5185m	<b>0</b>	0	0
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	4	0

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.622	<b>1.44</b>	0.82	1.11



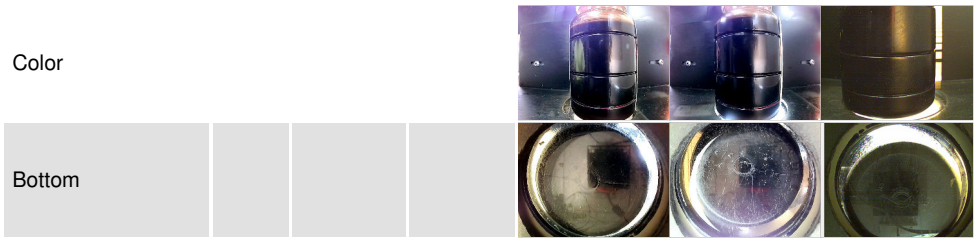
# OIL ANALYSIS REPORT



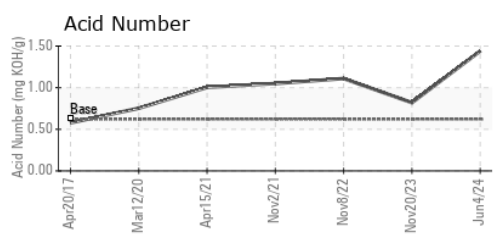
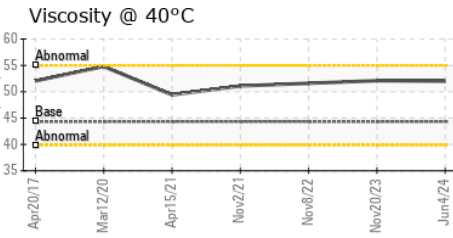
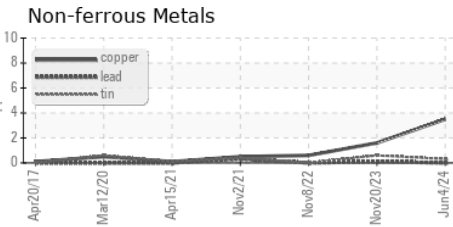
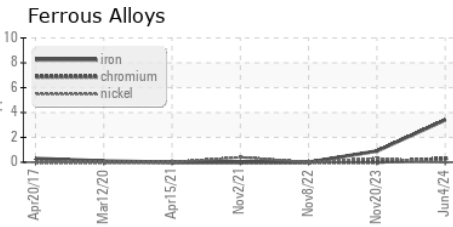
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>HEAVY</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>HEAVY</b>	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	>0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.32	<b>52.0</b>	52.1	51.6

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCZ06206668      **Received** : 11 Jun 2024  
**Lab Number** : **06206668**      **Tested** : 13 Jun 2024  
**Unique Number** : 11074129      **Diagnosed** : 13 Jun 2024 - Angela Borella  
**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

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)