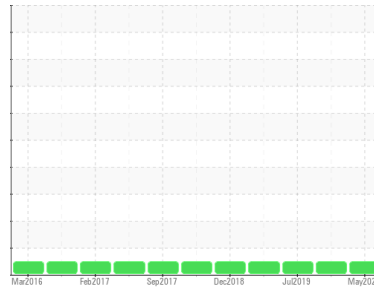




# OIL ANALYSIS REPORT

Area  
**SYNOIL 825**  
 Machine Id  
**QUINCY QSV-25 95690J - MILWAUKEE COMPOSITES**  
 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 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>UCZ06206652</b>	UCZ06087479	UCZ04771369
Sample Date	Client Info		<b>21 May 2024</b>	24 Jan 2024	26 Jul 2019
Machine Age	hrs	Client Info	<b>64530</b>	62979	44393
Oil Age	hrs	Client Info	<b>1551</b>	8102	4000
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	Not Chngd
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>0</b>	0	0
Chromium	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	<1
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>2</b>	0	0
Lead	ppm	ASTM D5185m >65	<b>0</b>	0	1
Copper	ppm	ASTM D5185m >65	<b>1</b>	0	<1
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Antimony	ppm	ASTM D5185m	<b>---</b>	---	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.0	<b>0</b>	0	<1
Barium	ppm	ASTM D5185m 0.0	<b>0</b>	10	0
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	1
Manganese	ppm	ASTM D5185m 0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m 0.0	<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185m 0.0	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m 966	<b>157</b>	139	125
Zinc	ppm	ASTM D5185m 0	<b>0</b>	0	4
Sulfur	ppm	ASTM D5185m 1309	<b>2104</b>	2045	122

## CONTAMINANTS

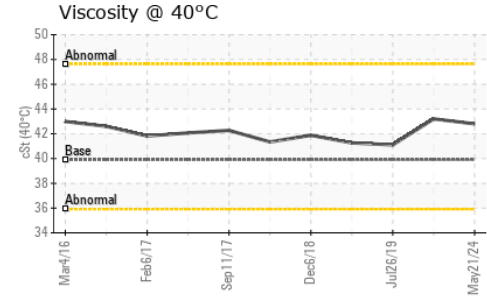
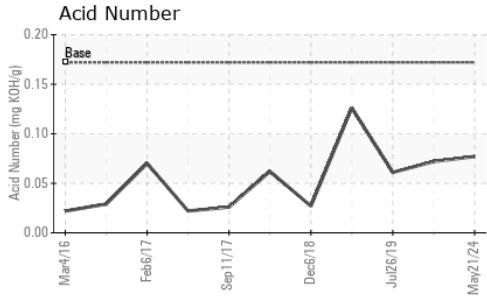
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	<b>13</b>	6	2
Sodium	ppm	ASTM D5185m	<b>0</b>	1	0
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	<1

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.172	<b>0.077</b>	0.072	0.061



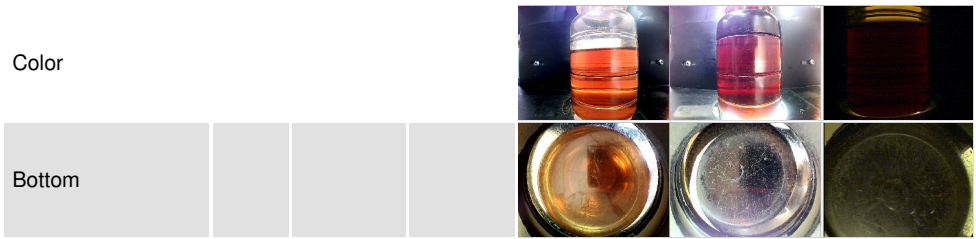
# OIL ANALYSIS REPORT



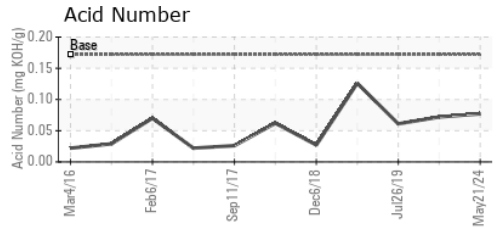
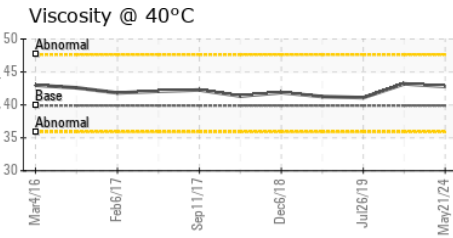
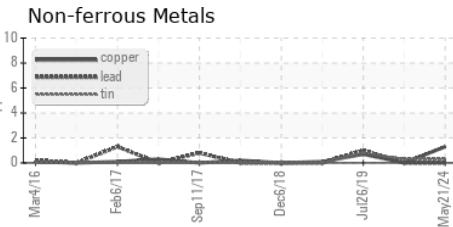
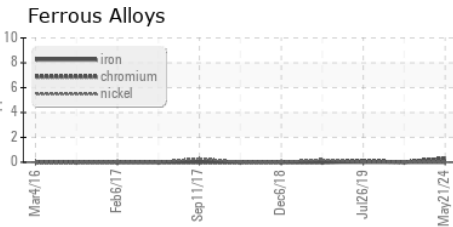
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	39.9	<b>42.8</b>	43.2	41.1

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCZ06206652      **Received** : 11 Jun 2024  
**Lab Number** : **06206652**      **Tested** : 13 Jun 2024  
**Unique Number** : 11074113      **Diagnosed** : 13 Jun 2024 - Sean Felton  
**Test Package** : IND 2

**ZORN COMP & EQUIPMENT INC - MAIN**  
 1335 E WISCONSIN AVE  
 PEWAUKEE, WI  
 US 53072  
 Contact: TONY STELLA  
 tony.stella@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)