



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**SYNOIL 825**  
Machine Id  
**QUINCY QSV-25 95690J - MILWAUKEE COMPOSITES**  
Component  
**Compressor**

## RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UCZ06087479</b>	UCZ04771369	UCZ04689290
Sample Date		Client Info		<b>24 Jan 2024</b>	26 Jul 2019	03 Apr 2019
Machine Age	hrs	Client Info		<b>62979</b>	44393	42668
Oil Age	hrs	Client Info		<b>8102</b>	4000	2000
Filter Age	hrs	Client Info		<b>2121</b>	2000	2000
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Lead	ppm	ASTM D5185m	>65	<b>0</b>	1	0
Copper	ppm	ASTM D5185m	>65	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

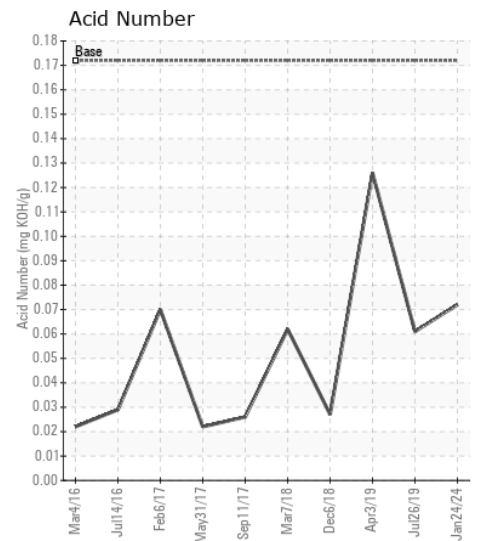
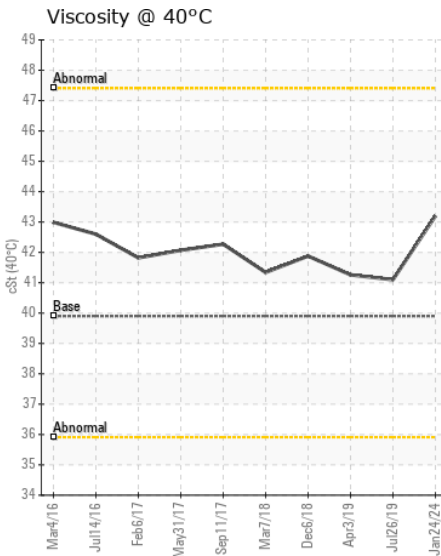
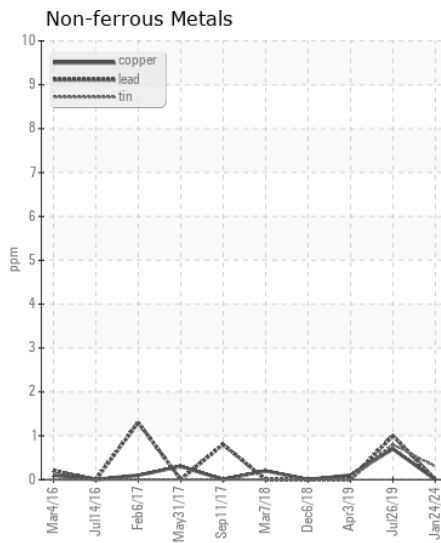
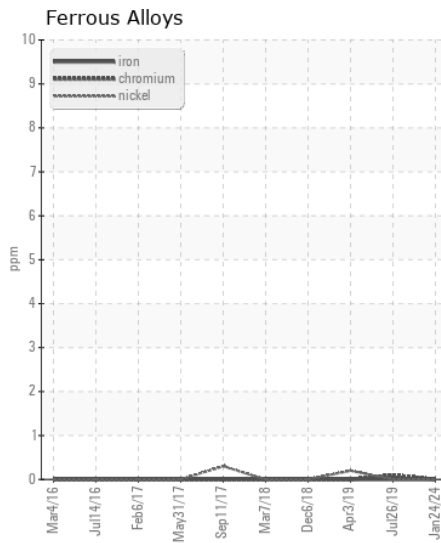
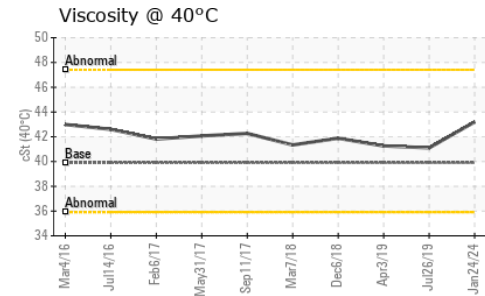
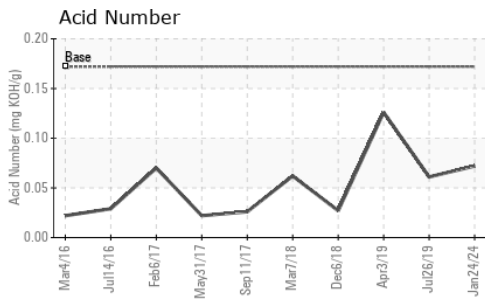
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>35	<b>6</b>	2	2
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>MODER</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

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>1</b>	0	<1
Boron	ppm	ASTM D5185m	0.0	<b>0</b>	<1	<1
Barium	ppm	ASTM D5185m	0.0	<b>10</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	1	0
Manganese	ppm	ASTM D5185m	0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	0.0	<b>0</b>	<1	0
Calcium	ppm	ASTM D5185m	0.0	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	966	<b>139</b>	125	184
Zinc	ppm	ASTM D5185m	0	<b>0</b>	4	0
Sulfur	ppm	ASTM D5185m	1309	<b>2045</b>	122	163
Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	<b>0.072</b>	0.061	0.126
Visc @ 40°C	cSt	ASTM D445	39.9	<b>43.2</b>	41.1	41.26



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCZ06087479  
**Lab Number** : 06087479  
**Unique Number** : 10874924  
**Test Package** : IND 2

**Received** : 13 Feb 2024  
**Tested** : 14 Feb 2024  
**Diagnosed** : 14 Feb 2024 - Don Baldrige

**ZORN COMP & EQUIPMENT INC - MAIN**  
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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)