



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
SYNOIL 825
 Machine Id
QUINCY QSV-40 UN052790 - MILWAUKEE COMPOSITES
 Component
Compressor

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCZ06087477	UCZ04766342	---
Sample Date		Client Info		25 Jan 2024	25 Jul 2019	---
Machine Age	hrs	Client Info		78921	14519	---
Oil Age	hrs	Client Info		1813	2000	---
Filter Age	hrs	Client Info		1813	2000	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	<1	---
Chromium	ppm	ASTM D5185m	>5	0	0	---
Nickel	ppm	ASTM D5185m		0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>15	0	<1	---
Lead	ppm	ASTM D5185m	>65	0	<1	---
Copper	ppm	ASTM D5185m	>65	2	<1	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

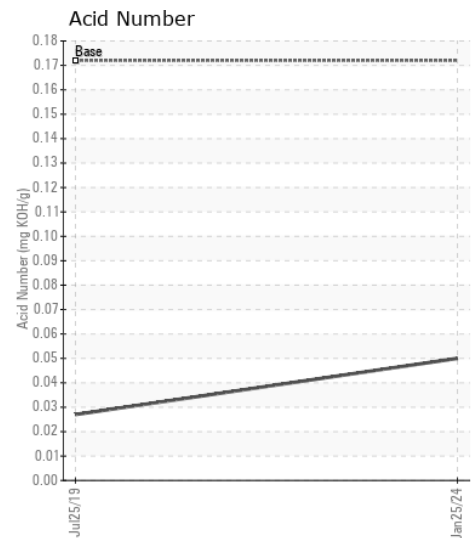
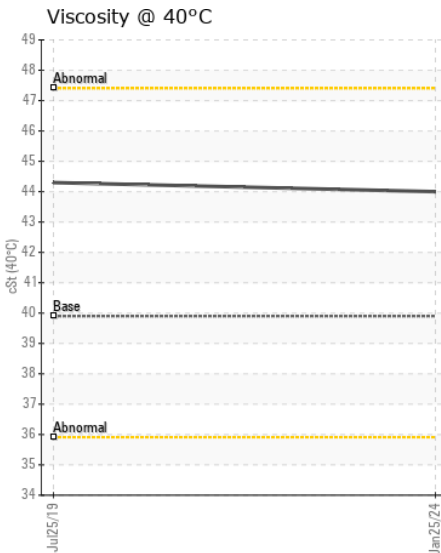
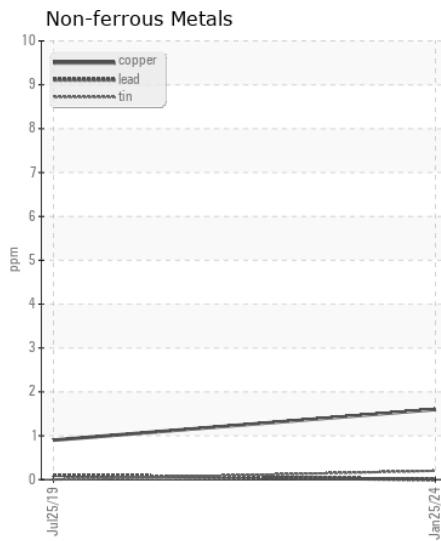
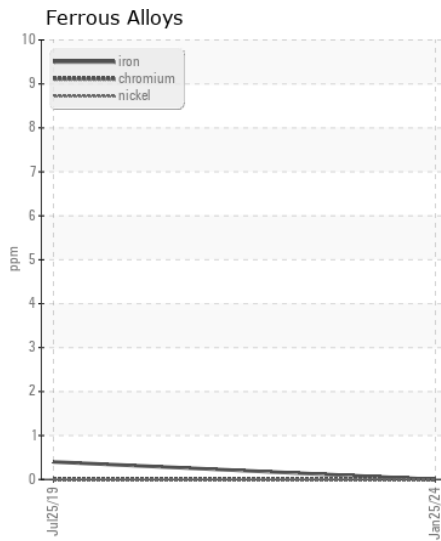
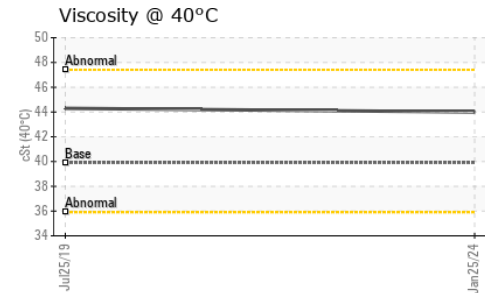
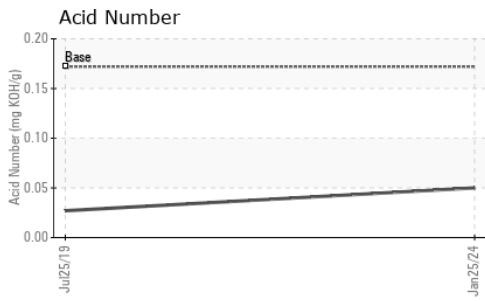
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	4	1	---
Potassium	ppm	ASTM D5185m	>20	0	2	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	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	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	21	---
Boron	ppm	ASTM D5185m	0.0	0	0	---
Barium	ppm	ASTM D5185m	0.0	2	8	---
Molybdenum	ppm	ASTM D5185m	0	0	0	---
Manganese	ppm	ASTM D5185m	0	0	<1	---
Magnesium	ppm	ASTM D5185m	0.0	0	15	---
Calcium	ppm	ASTM D5185m	0.0	0	1	---
Phosphorus	ppm	ASTM D5185m	966	48	107	---
Zinc	ppm	ASTM D5185m	0	0	1	---
Sulfur	ppm	ASTM D5185m	1309	1565	3205	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	0.05	0.027	---
Visc @ 40°C	cSt	ASTM D445	39.9	44.0	44.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : UCZ06087477

Lab Number : 06087477

Unique Number : 10874922

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)