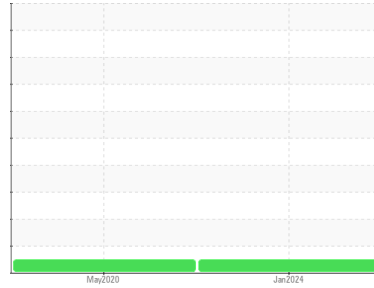




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
SYNOIL 825 [155847]
Machine Id
QUINCY 96283 - ROCK SOLID MATERIALS
Component
Compressor

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		UCZ06057424	UCZ05007530	---
Sample Date	Client Info		04 Jan 2024	13 May 2020	---
Machine Age	hrs	Client Info	30526	0	---
Oil Age	hrs	Client Info	2000	0	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	1	3	---
Chromium	ppm	ASTM D5185m >10	0	<1	---
Nickel	ppm	ASTM D5185m	0	<1	---
Titanium	ppm	ASTM D5185m	0	<1	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	2	5	---
Lead	ppm	ASTM D5185m >25	0	3	---
Copper	ppm	ASTM D5185m >50	<1	<1	---
Tin	ppm	ASTM D5185m >15	0	8	---
Antimony	ppm	ASTM D5185m	---	3	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.0	0	<1	---
Barium	ppm	ASTM D5185m 0.0	0	1	---
Molybdenum	ppm	ASTM D5185m 0	0	0	---
Manganese	ppm	ASTM D5185m 0	0	0	---
Magnesium	ppm	ASTM D5185m 0.0	<1	3	---
Calcium	ppm	ASTM D5185m 0.0	6	21	---
Phosphorus	ppm	ASTM D5185m 966	229	263	---
Zinc	ppm	ASTM D5185m 0	0	20	---
Sulfur	ppm	ASTM D5185m 1309	711	131	---

CONTAMINANTS

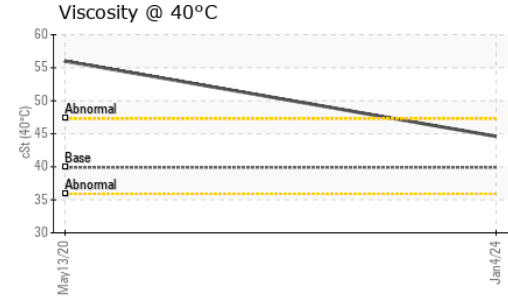
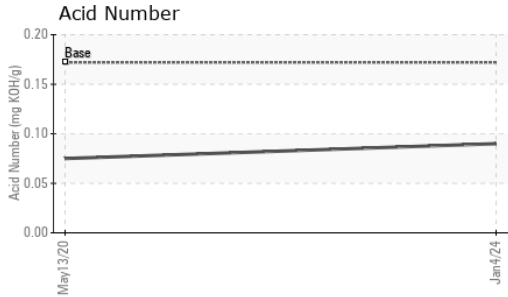
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	8	8	---
Sodium	ppm	ASTM D5185m	0	11	---
Potassium	ppm	ASTM D5185m >20	<1	13	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.172	0.09	0.075	---



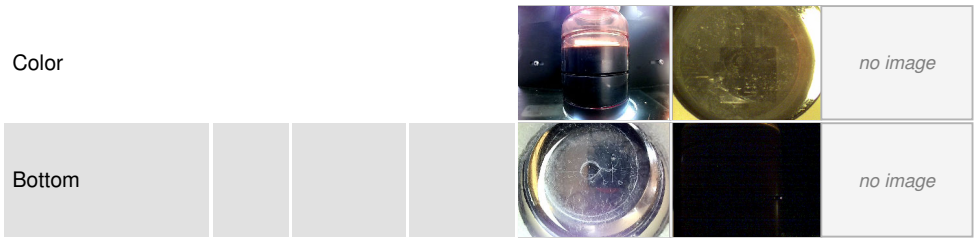
OIL ANALYSIS REPORT



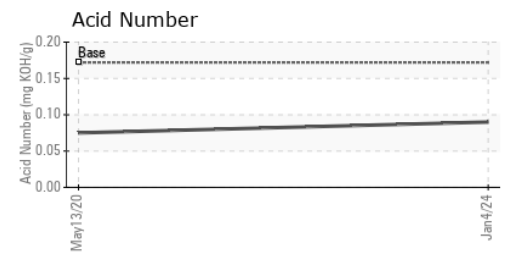
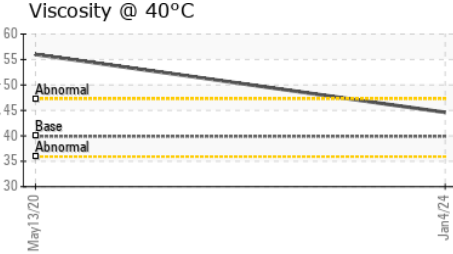
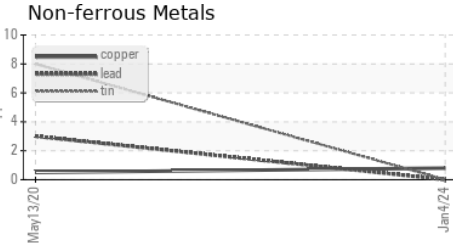
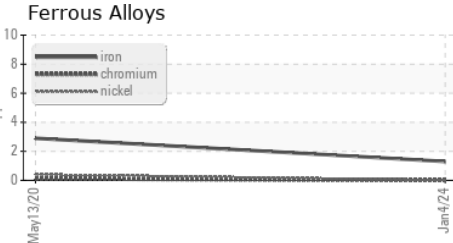
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	LIGHT	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	MODER	---
Sand/Dirt	scalar	*Visual	NONE	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	44.6	56.0	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCZ06057424 **Recieved** : 10 Jan 2024
Lab Number : 06057424 **Diagnosed** : 12 Jan 2024
Unique Number : 10823373 **Diagnostician** : Don Baldrige
Test Package : IND 2

ZORN COMPRESSOR EQUIPMENT
 227 AMBROSIO DR, SUITE A
 GURNEE, IL
 US 60031
 Contact: Rachel Pesnikov
 rachel.pesnikov@zornair.com
 T: (847)599-1333
 F:

Certificate L2367
 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)