



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**QUINSYN**  
 Machine Id  
**INGERSOLL RAND 4038357 - RAYMOC**  
 Component  
**Compressor**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCS06088927	UCS05922289	---
Sample Date		Client Info		07 Feb 2024	27 Jul 2023	---
Machine Age	yrs	Client Info		0	0	---
Oil Age	yrs	Client Info		0	1	---
Filter Age	yrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	ABNORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	18	▲ 123	---
Chromium	ppm	ASTM D5185m	>10	2	▲ 16	---
Nickel	ppm	ASTM D5185m		0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	15	---
Lead	ppm	ASTM D5185m	>25	0	<1	---
Copper	ppm	ASTM D5185m	>50	1	8	---
Tin	ppm	ASTM D5185m	>15	1	13	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

**CONTAMINATION**

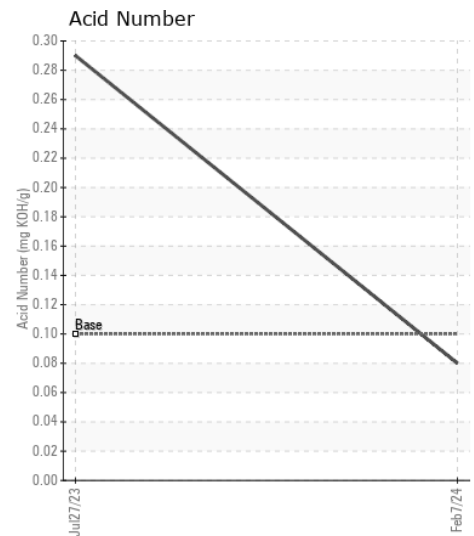
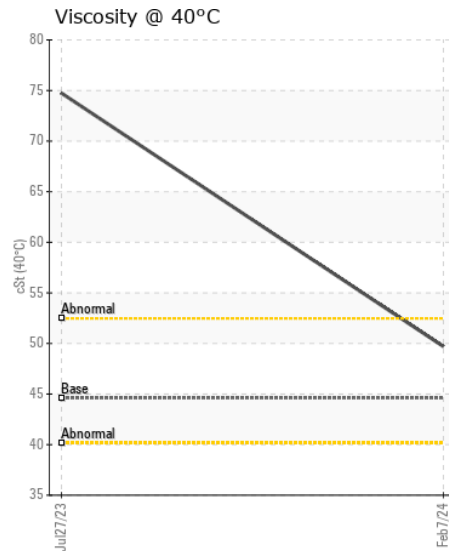
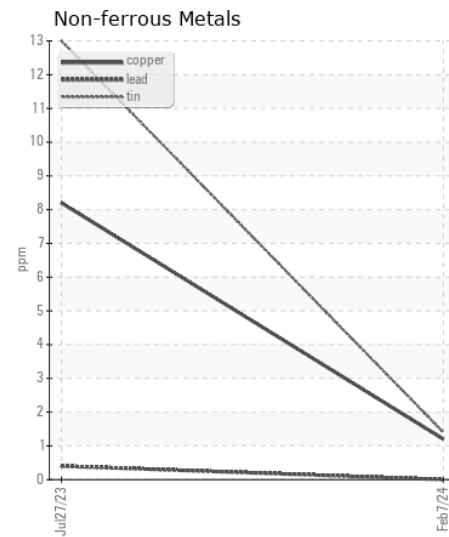
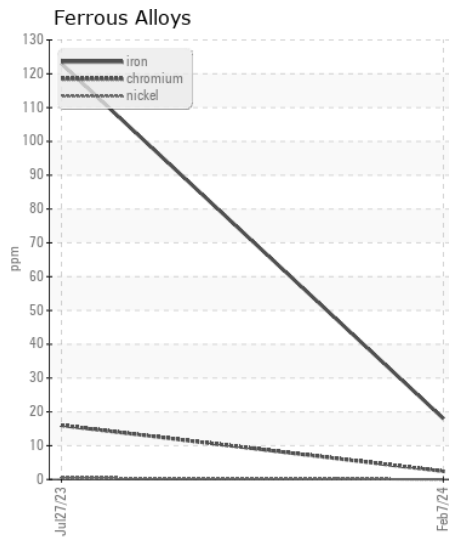
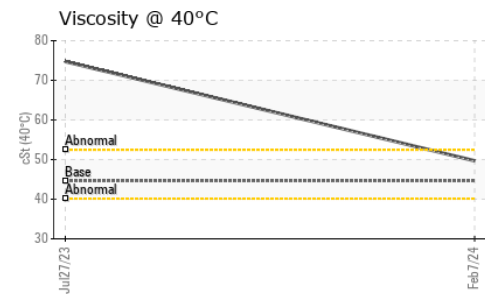
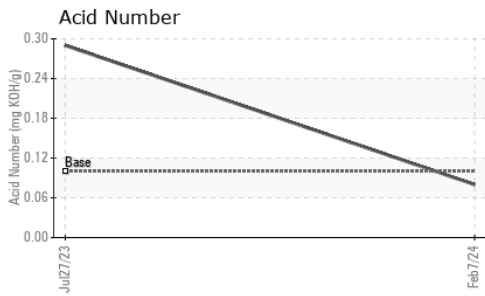
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	2	12	---
Potassium	ppm	ASTM D5185m	>20	0	2	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	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		1	18	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		<1	7	---
Magnesium	ppm	ASTM D5185m		0	9	---
Calcium	ppm	ASTM D5185m		1	11	---
Phosphorus	ppm	ASTM D5185m		68	317	---
Zinc	ppm	ASTM D5185m		<1	8	---
Sulfur	ppm	ASTM D5185m		0	40	---
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	0.08	0.29	---
Visc @ 40°C	cSt	ASTM D445	44.6	49.7	▲ 74.74	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06088927 **Received** : 14 Feb 2024  
**Lab Number** : 06088927 **Tested** : 15 Feb 2024  
**Unique Number** : 10876372 **Diagnosed** : 15 Feb 2024 - Don Baldrige  
**Test Package** : IND 2

**JEMCO-MAXAIR**

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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)