

PROBLEM SUMMARY

Sample Rating Trend



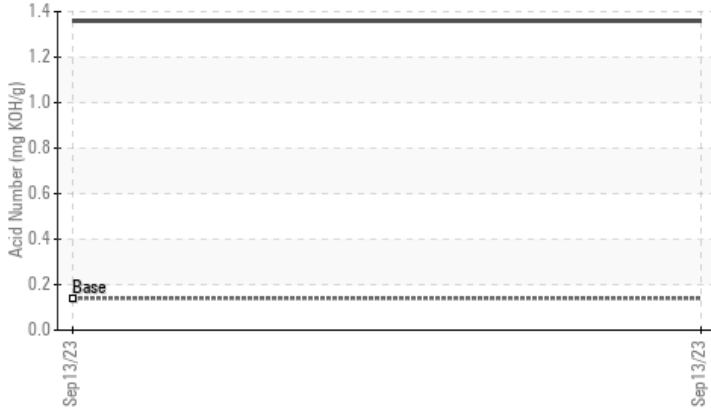
DEGRADATION



Area
PALLUBE 32 FOOD GRADE
Machine Id
QUINCY UTY202271 - CRYSTAL 1
Component
Compressor

COMPONENT CONDITION SUMMARY

▲ Acid Number



RECOMMENDATION

The oil is near the end of its useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Barium	ppm	ASTM D5185m	730	▲ 0	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	▲ 1.36	---	---

Customer Id: UCTOTMOD
Sample No.: UCS05959912
Lab Number: 05959912
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Service/change Fluid	---	---	?	The oil is near the end of it's useful service life, recommend schedule an oil change.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

Area
PALLUBE 32 FOOD GRADE
Machine Id
QUINCY UTY202271 - CRYSTAL 1
Component
Compressor



DIAGNOSIS

Recommendation
The oil is near the end of its useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the oil.

Fluid Condition
The AN level is at the top-end of the recommended limit. An additive depletion is indicated.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCS05959912	---	---
Sample Date	Client Info		13 Sep 2023	---	---
Machine Age	hrs	Client Info	44352	---	---
Oil Age	hrs	Client Info	2000	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	6	---	---
Chromium	ppm	ASTM D5185m >10	0	---	---
Nickel	ppm	ASTM D5185m	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	<1	---	---
Aluminum	ppm	ASTM D5185m >25	16	---	---
Lead	ppm	ASTM D5185m >25	<1	---	---
Copper	ppm	ASTM D5185m >50	4	---	---
Tin	ppm	ASTM D5185m >15	<1	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1	0	---	---
Barium	ppm	ASTM D5185m 730	0	---	---
Molybdenum	ppm	ASTM D5185m 0	<1	---	---
Manganese	ppm	ASTM D5185m 0.0	2	---	---
Magnesium	ppm	ASTM D5185m 0	3	---	---
Calcium	ppm	ASTM D5185m 0	221	---	---
Phosphorus	ppm	ASTM D5185m 0	416	---	---
Zinc	ppm	ASTM D5185m 0	96	---	---
Sulfur	ppm	ASTM D5185m 590	2061	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	2	---	---
Sodium	ppm	ASTM D5185m	12	---	---
Potassium	ppm	ASTM D5185m >20	4	---	---

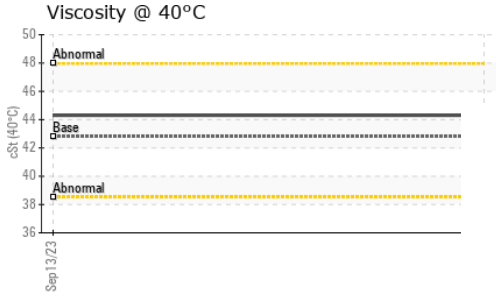
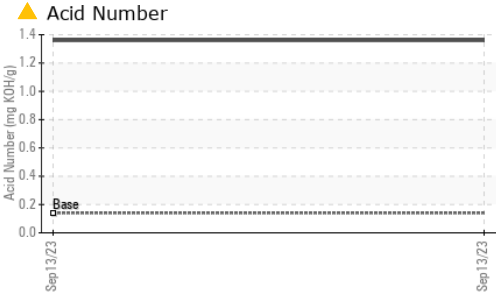
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.14	1.36	---	---

VISUAL

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

OIL ANALYSIS REPORT

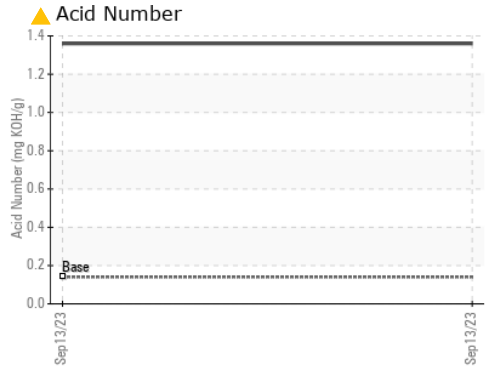
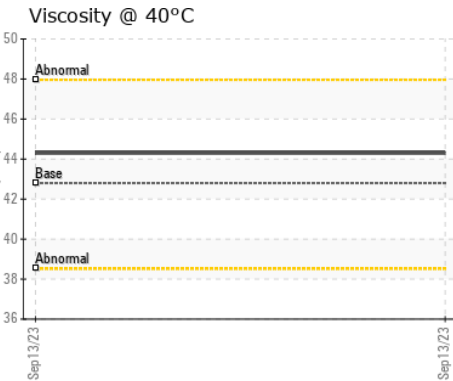
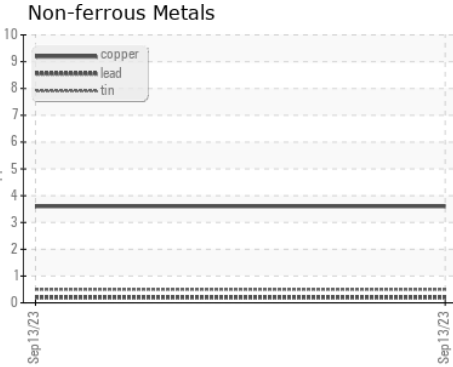
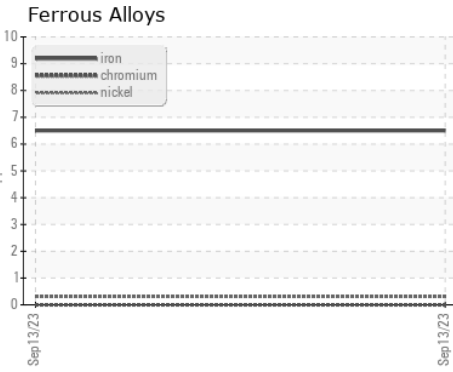


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	42.8	44.3	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS05959912 **Received** : 25 Sep 2023
Lab Number : 05959912 **Diagnosed** : 27 Sep 2023
Unique Number : 10661125 **Diagnostician** : Jonathan Hester
Test Package : IND 2

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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)