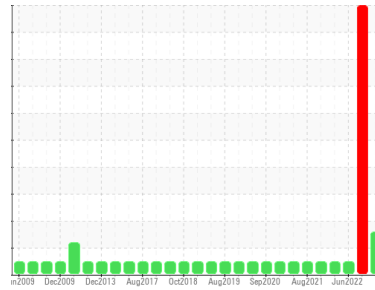


Area
AURORA PO-4010
 Machine Id
QUINCY 99128H - KABA ILCO
 Component
Compressor

Sample Rating Trend

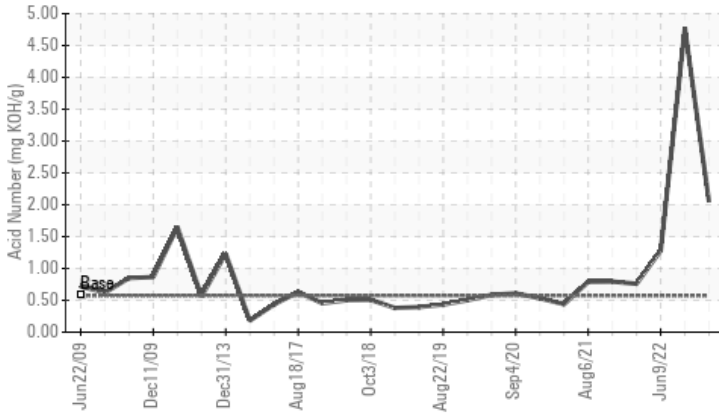


DEGRADATION

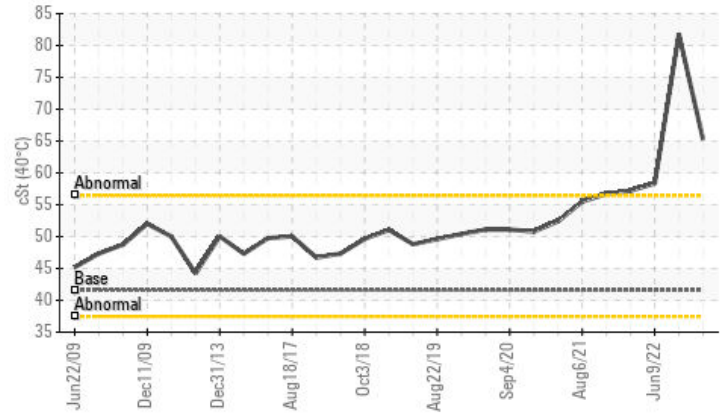


COMPONENT CONDITION SUMMARY

▲ Acid Number



▲ Viscosity @ 40°C



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	SEVERE	NORMAL
Acid Number (AN)	mg KOH/g	ASTM D8045	0.573	▲ 2.05	◆ 4.771	1.28
Visc @ 40°C	cSt	ASTM D445	41.57	▲ 65.3	▲ 81.8	58.35

Customer Id: UCPATRAL
 Sample No.: UCP06015246
 Lab Number: 06015246
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

10 Feb 2023 Diag: Doug Bogart

WEAR



Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The iron level is severe. There is a high concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is above the recommended limit. The oil viscosity is higher than normal.

[view report](#)



09 Jun 2022 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

[view report](#)



21 Feb 2022 Diag: Jonathan Hester

NORMAL

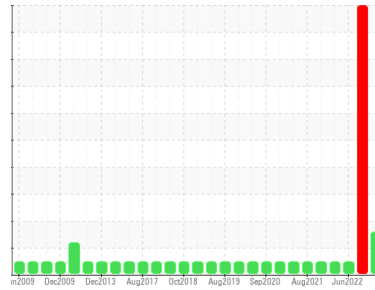


Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

[view report](#)



Area
AURORA PO-4010
 Machine Id
QUINCY 99128H - KABA ILCO
 Component
Compressor



DIAGNOSIS

▲ Recommendation
 Oil and filter change at the time of sampling has been noted. 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 above the recommended limit. The oil viscosity is higher than normal.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCP06015246	UCP05774009	UCP05574419
Sample Date	Client Info		08 Nov 2023	10 Feb 2023	09 Jun 2022
Machine Age	hrs	Client Info	154417	153660	148111
Oil Age	hrs	Client Info	4000	2000	5297
Oil Changed	Client Info		Changed	Changed	Not Changed
Sample Status			ABNORMAL	SEVERE	NORMAL

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	8	610	1
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	2	<1	<1
Lead	ppm	ASTM D5185m >25	0	<1	0
Copper	ppm	ASTM D5185m >50	1	2	13
Tin	ppm	ASTM D5185m >15	<1	0	<1
Antimony	ppm	ASTM D5185m	---	---	---
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	<1	12	3
Barium	ppm	ASTM D5185m 0.4	0	2	4
Molybdenum	ppm	ASTM D5185m 0.5	0	<1	<1
Manganese	ppm	ASTM D5185m 0.4	0	3	<1
Magnesium	ppm	ASTM D5185m 0	0	2	0
Calcium	ppm	ASTM D5185m 0.3	0	5	2
Phosphorus	ppm	ASTM D5185m 1376	624	527	449
Zinc	ppm	ASTM D5185m 0	0	44	306
Sulfur	ppm	ASTM D5185m 320	368	238	112

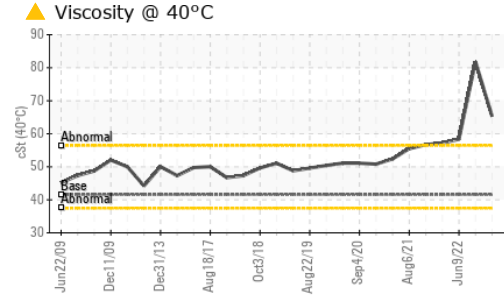
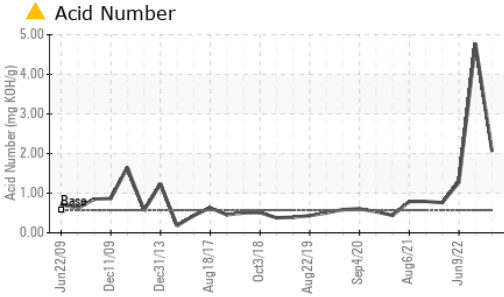
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	2	3	7
Sodium	ppm	ASTM D5185m	1	<1	40
Potassium	ppm	ASTM D5185m >20	0	2	<1

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.573	▲ 2.05	4.771	1.28

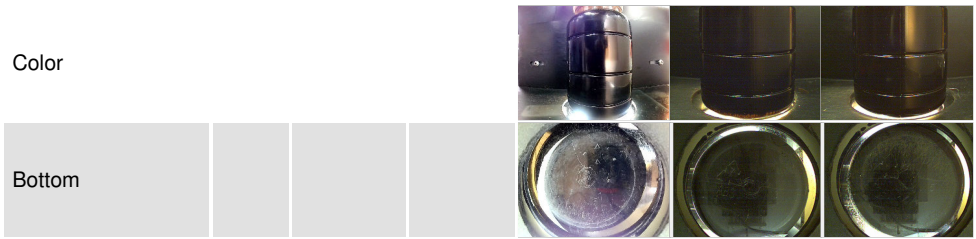
OIL ANALYSIS REPORT



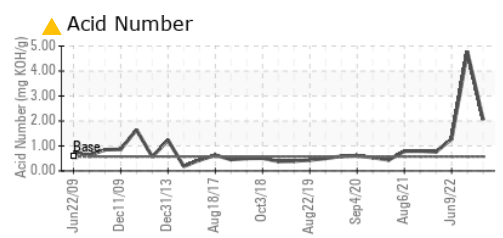
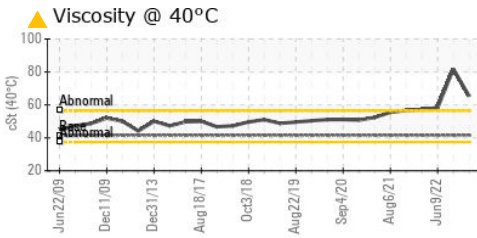
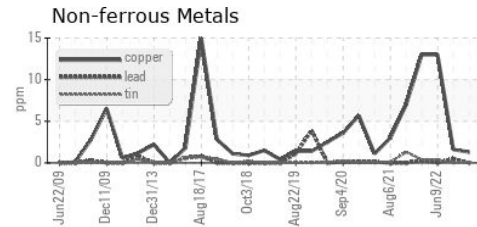
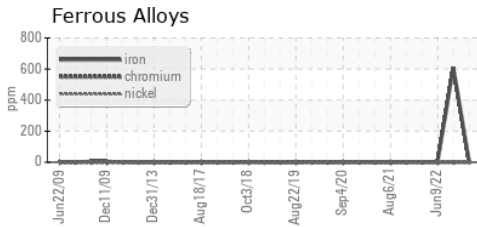
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	0.2%
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	41.57 ▲ 65.3	▲ 81.8	58.35

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCP06015246 **Received** : 22 Nov 2023
Lab Number : 06015246 **Diagnosed** : 30 Nov 2023
Unique Number : 10754390 **Diagnostician** : Don Baldrige
Test Package : IND 2

PATTONS INC - RALEIGH
 2616 DISCOVERY DRIVE
 RALEIGH, NC
 US 27616
 Contact: AARON MCCOY
 aaron.mccoy@pattonsync.com
 T: (919)872-6411
 F: (919)876-1961

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)