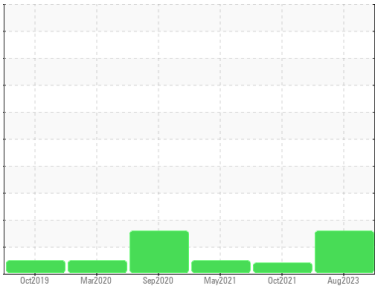
PROBLEM SUMMARY

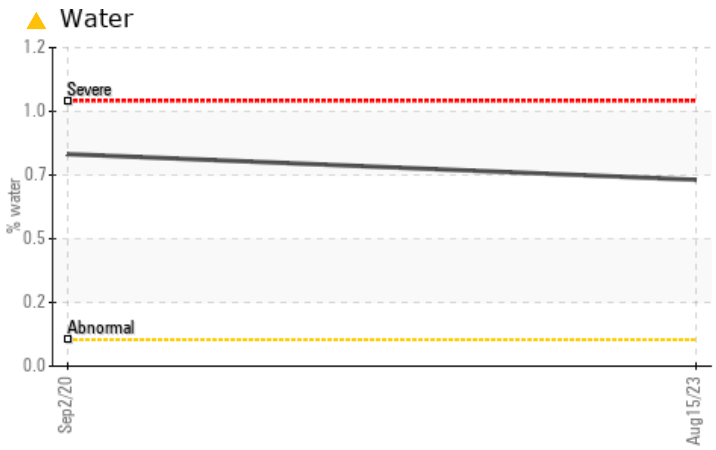
Sample Rating Trend



WATER

Area
ULTRACHEM 32P
Machine Id
SULLAIR 003-80659 - PEDRICKTOWN COGENERATION
Component
Compressor

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ATTENTION	NORMAL
Water	%	ASTM D6304	>0.1	▲ 0.702	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 7020	---	---

Customer Id: UCCUMWIL
Sample No.: UCH05930930
Lab Number: 05930930
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +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
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.

HISTORICAL DIAGNOSIS

13 Oct 2021 Diag: Jonathan Hester

ADDITIVES

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. An additive depletion is indicated. The AN level is acceptable for this fluid.

view report

12 May 2021 Diag: Angela Borella

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

02 Sep 2020 Diag: Jonathan Hester

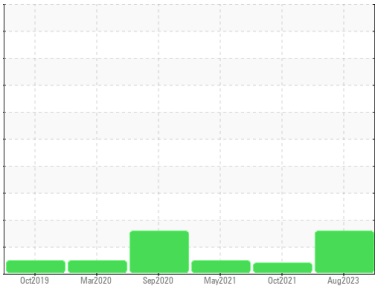
WATER

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Area
ULTRACHEM 32P
Machine Id
SULLAIR 003-80659 - PEDRICKTOWN COGENERATION
Component
Compressor

DIAGNOSIS

Recommendation
We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is a moderate concentration of water present 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		**UCH05930930**	UCH05376514	UCH05264508
Sample Date		Client Info		**15 Aug 2023**	13 Oct 2021	12 May 2021
Machine Age	hrs	Client Info		**37839**	27678	25473
Oil Age	hrs	Client Info		**0**	2205	1
Oil Changed		Client Info		**N/A**	N/A	Changed
Sample Status				**ATTENTION**	ATTENTION	NORMAL

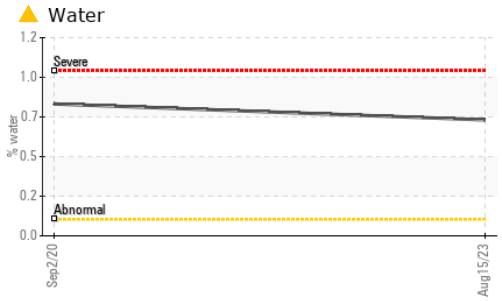
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**0**	5	<1
Chromium	ppm	ASTM D5185m	>10	**0**	0	0
Nickel	ppm	ASTM D5185m		**0**	0	<1
Titanium	ppm	ASTM D5185m		**<1**	0	0
Silver	ppm	ASTM D5185m		**0**	0	<1
Aluminum	ppm	ASTM D5185m	>25	**0**	<1	0
Lead	ppm	ASTM D5185m	>25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

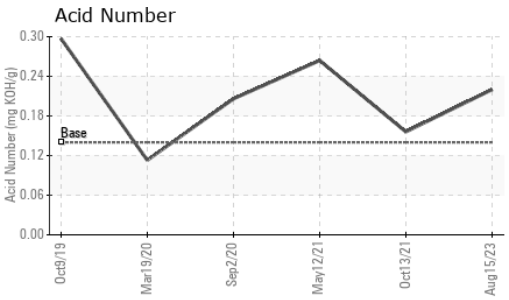
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1	**0**	4	3
Barium	ppm	ASTM D5185m	730	**458**	▲ 67	599
Molybdenum	ppm	ASTM D5185m	0	**0**	<1	0
Manganese	ppm	ASTM D5185m	0.0	**<1**	<1	<1
Magnesium	ppm	ASTM D5185m	0	**3**	<1	<1
Calcium	ppm	ASTM D5185m	0	**5**	3	2
Phosphorus	ppm	ASTM D5185m	0	**11**	5	2
Zinc	ppm	ASTM D5185m	0	**18**	6	0
Sulfur	ppm	ASTM D5185m	590	**666**	598	435

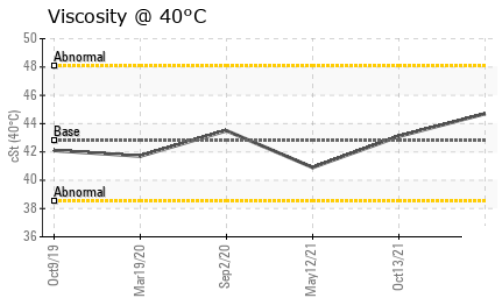
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**5**	3	2
Sodium	ppm	ASTM D5185m		**30**	50	6
Potassium	ppm	ASTM D5185m	>20	**4**	6	1
Water	%	ASTM D6304	>0.1	▲ **0.702**	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ **7020**	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	**0.22**	0.156	0.264

OIL ANALYSIS REPORT

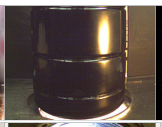
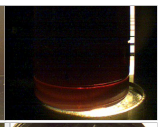
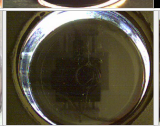
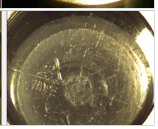




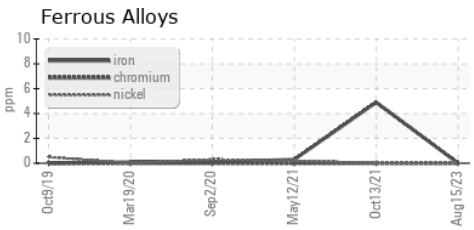


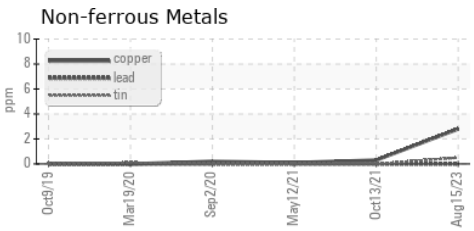
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt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

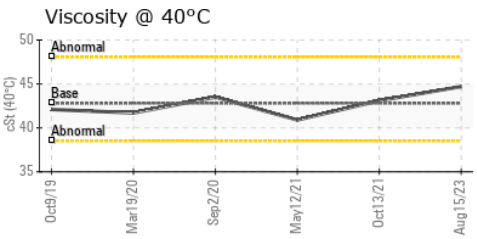
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	42.8	**44.7**	43.1	40.9

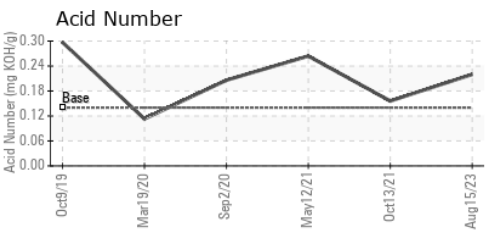
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05930930 **Received** : 22 Aug 2023
Lab Number : 05930930 **Diagnosed** : 24 Aug 2023
Unique Number : 10616201 **Diagnostician** : Don Baldridge
Test Package : IND 2 (Additional Tests: KF)

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)

CUMMINS-WAGNER CO INC
175 Edgemoor Rd
WILMINGTON, DE
US 19809
Contact: Natalie Gagliano
NGagliano@cummins-wagner.com
T: (833)568-5450
F: