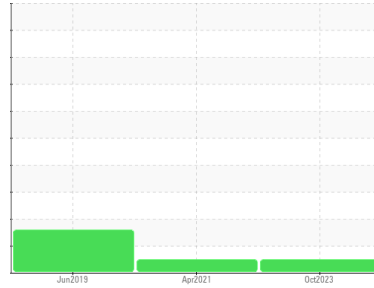




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**TE-PAG 32**  
 Machine Id  
**SULLAIR 003-135414 - SUPERIOR WALLS**  
 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		<b>UCH05999143</b>	UCH05244497	UCH04741031
Sample Date	Client Info		<b>30 Oct 2023</b>	29 Apr 2021	06 Jun 2019
Machine Age	mths	Client Info	<b>0</b>	39226	0
Oil Age	mths	Client Info	<b>16</b>	0	0
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	ATTENTION

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>&lt;1</b>	9	2
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	<1	0
Lead	ppm	ASTM D5185m >25	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m >15	<b>0</b>	1	<1
Antimony	ppm	ASTM D5185m	<b>---</b>	1	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	<b>&lt;1</b>	3	1
Barium	ppm	ASTM D5185m 5	<b>8</b>	54	83
Molybdenum	ppm	ASTM D5185m 5	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m 5	<b>&lt;1</b>	3	0
Calcium	ppm	ASTM D5185m 12	<b>2</b>	<1	<1
Phosphorus	ppm	ASTM D5185m 12	<b>13</b>	7	<1
Zinc	ppm	ASTM D5185m 12	<b>0</b>	16	20
Sulfur	ppm	ASTM D5185m 1000	<b>295</b>	238	197

## CONTAMINANTS

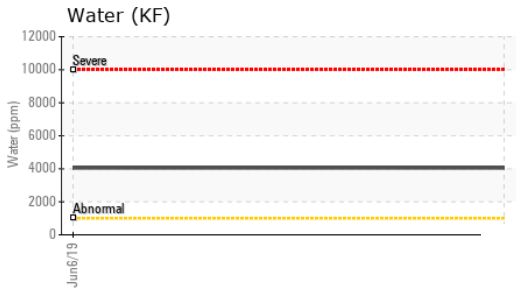
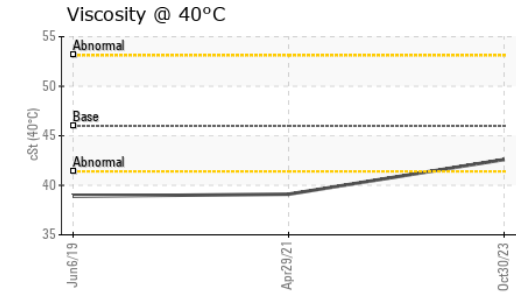
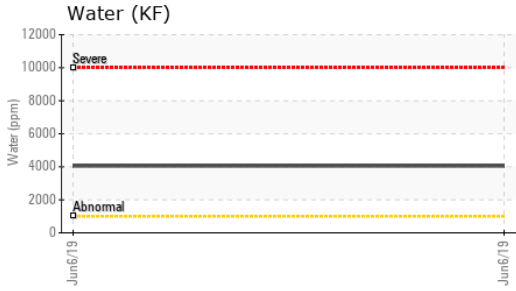
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	4
Sodium	ppm	ASTM D5185m	<b>69</b>	125	131
Potassium	ppm	ASTM D5185m >20	<b>18</b>	36	21
Water	%	ASTM D6304 >0.1	<b>---</b>	---	▲ 0.405
ppm Water	ppm	ASTM D6304 >1000	<b>---</b>	---	▲ 4050

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.10	<b>0.16</b>	0.058	0.140



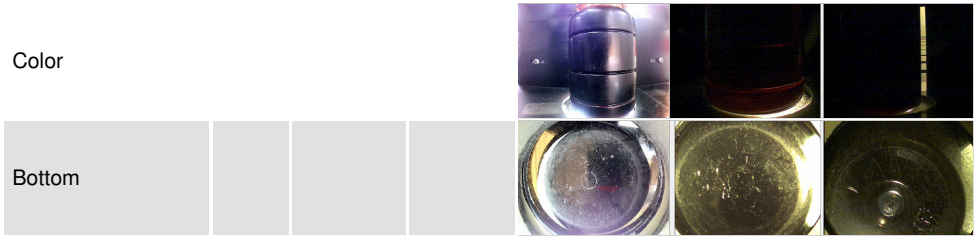
# OIL ANALYSIS REPORT



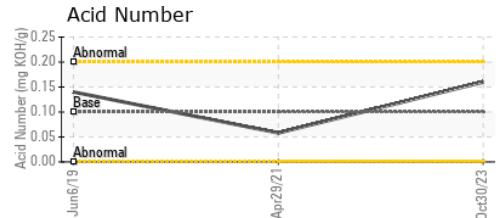
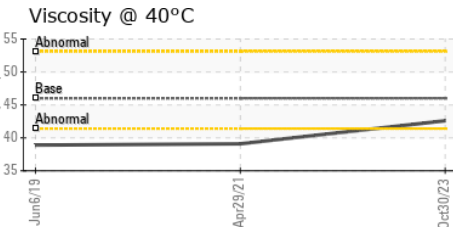
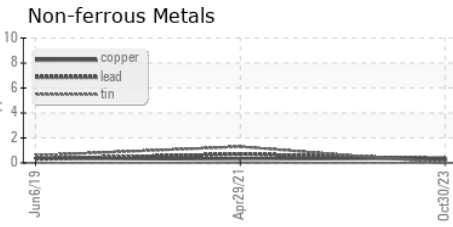
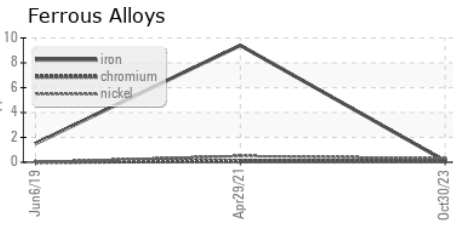
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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 46	<b>42.6</b>	39.1	38.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05999143 **Received** : 06 Nov 2023  
**Lab Number** : **05999143** **Diagnosed** : 07 Nov 2023  
**Unique Number** : 10727503 **Diagnostician** : Angela Borella  
**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)

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