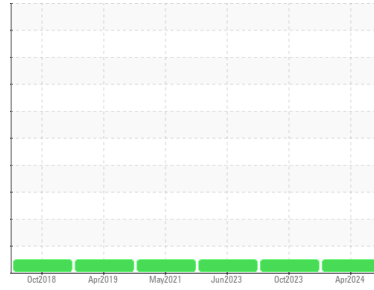




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**SULLUBE [637]**

Machine Id

**SULLAIR 201609220032 - KONES CRANES**

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>UCH06180245</b>	UCH06043385	UCH05910118
Sample Date	Client Info		<b>23 Apr 2024</b>	30 Oct 2023	12 Jun 2023
Machine Age	hrs	Client Info	<b>23943</b>	23405	21254
Oil Age	hrs	Client Info	<b>0</b>	2179	4808
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	<b>2</b>	3	1
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	0
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>1</b>	<1	1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Antimony	ppm	ASTM D5185m		<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m	745	<b>807</b>	534	731
Molybdenum	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	1	<1
Calcium	ppm	ASTM D5185m	1	<b>3</b>	2	<1
Phosphorus	ppm	ASTM D5185m	3	<b>5</b>	1	1
Zinc	ppm	ASTM D5185m	0.1	<b>2</b>	<1	3
Sulfur	ppm	ASTM D5185m	240	<b>284</b>	285	326

## CONTAMINANTS

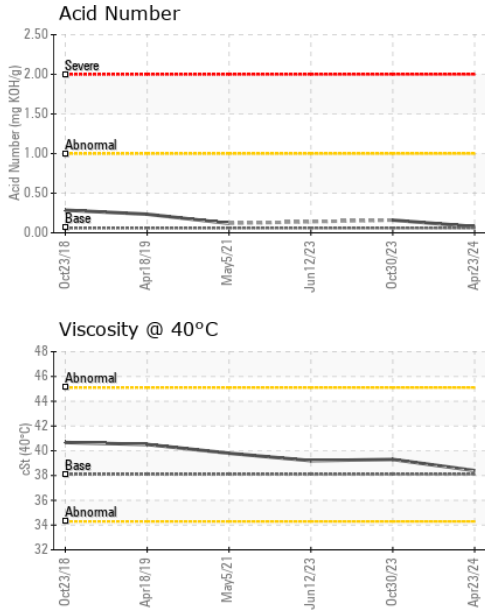
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	<b>2</b>	<1	<1
Sodium	ppm	ASTM D5185m		<b>15</b>	36	25
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	.06	<b>0.079</b>	0.16	---



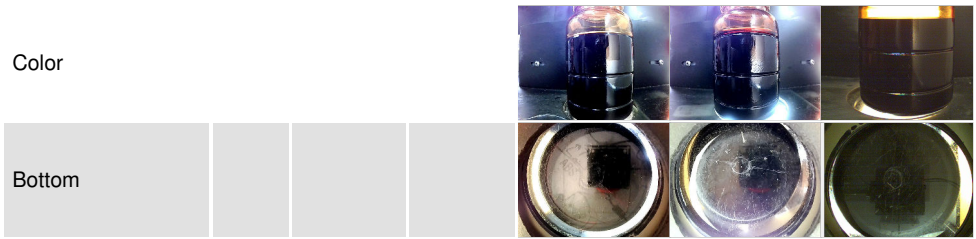
# OIL ANALYSIS REPORT



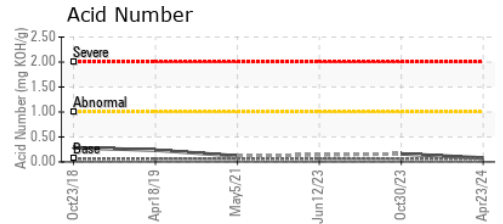
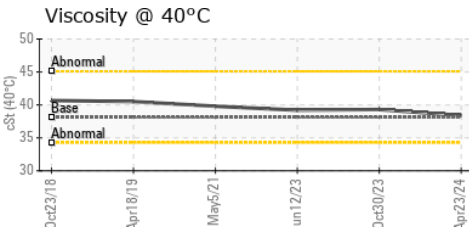
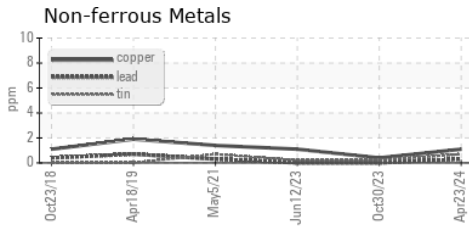
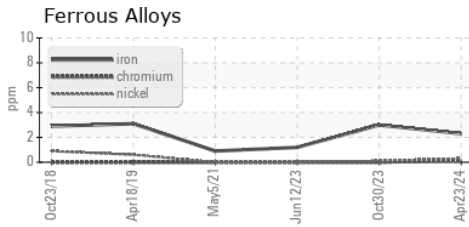
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	38.1	38.4	39.3

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06180245  
**Lab Number** : 06180245  
**Unique Number** : 11031571  
**Test Package** : IND 2

**Received** : 15 May 2024  
**Tested** : 16 May 2024  
**Diagnosed** : 17 May 2024 - Wes Davis

**AIR TECHNOLOGIES INC (MID)**  
 400 WRIGHT AVE  
 MIDDLETOWN, OH  
 US 45044  
 Contact: Josh Oaks  
 josh.oaks@aircompressors.com

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)

T: (513)539-6040