



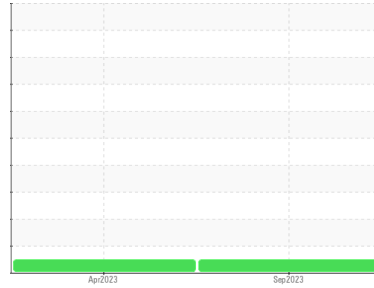
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**SULLAIR SULLUBE [4518506]**  
 Machine Id  
**SULLAIR 202103010003 - HORIZON AG**  
 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>UCH05959158</b>	UCH05853279	---
Sample Date	Client Info		<b>19 Sep 2023</b>	09 Apr 2023	---
Machine Age	hrs	Client Info	<b>5192</b>	3308	---
Oil Age	hrs	Client Info	<b>1800</b>	3308	---
Oil Changed	Client Info		<b>Not Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>2</b>	11	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	0	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185m >15	<b>0</b>	1	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>4</b>	0	---
Barium	ppm	ASTM D5185m 745	<b>35</b>	88	---
Molybdenum	ppm	ASTM D5185m 0.0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m 0.0	<b>2</b>	14	---
Calcium	ppm	ASTM D5185m 1	<b>3</b>	16	---
Phosphorus	ppm	ASTM D5185m 3	<b>6</b>	20	---
Zinc	ppm	ASTM D5185m 0.1	<b>6</b>	84	---
Sulfur	ppm	ASTM D5185m 240	<b>323</b>	304	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>2</b>	6	---
Sodium	ppm	ASTM D5185m	<b>124</b>	145	---
Potassium	ppm	ASTM D5185m >20	<b>55</b>	35	---

## FLUID DEGRADATION

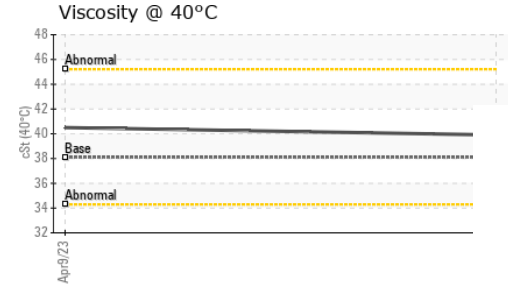
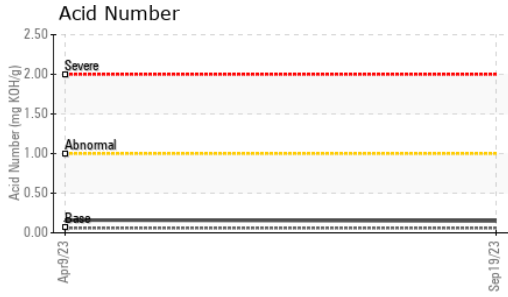
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 .06	<b>0.15</b>	0.16	---

## VISUAL

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



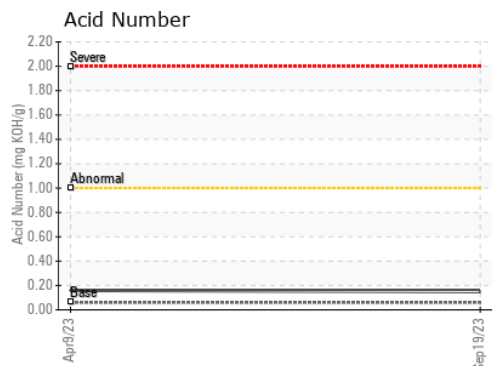
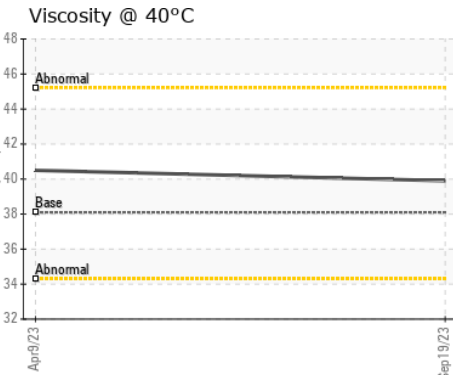
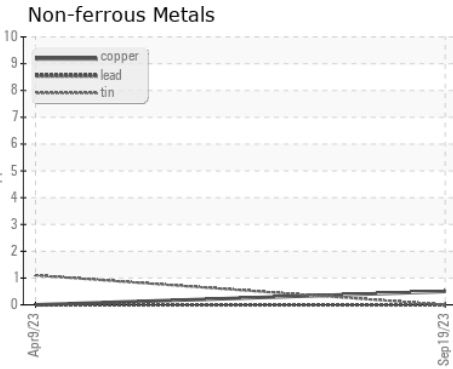
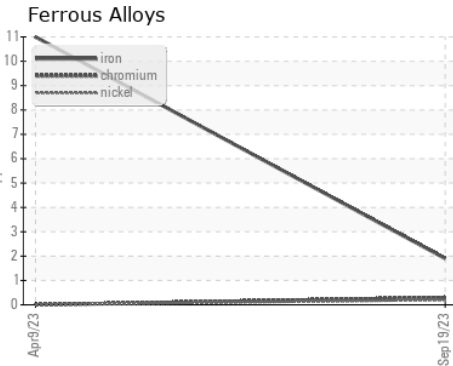
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	38.1	<b>39.9</b>	40.5	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05959158 **Received** : 22 Sep 2023  
**Lab Number** : **05959158** **Diagnosed** : 25 Sep 2023  
**Unique Number** : 10660371 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**AIR COMPRESSOR SUPPLY INC**  
 3916 S. I-35 SERVICE ROAD  
 OKLAHOMA CITY, OK  
 US 73129  
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 ddunn@aircompressorsupplyinc.com  
 T: (405)830-2554  
 F: (405)672-5580

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)