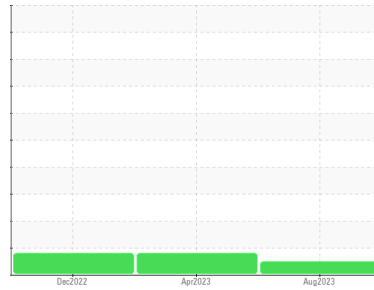




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**SYNOIL 8K PLUS**  
 Machine Id  
**SULLAIR RSVS20-60 003-886510 - GRUERAR PLASTICS**  
 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>UCZ05926231</b>	UCZ05831356	UCZ05720659
Sample Date	Client Info			<b>03 Aug 2023</b>	17 Apr 2023	10 Dec 2022
Machine Age	hrs	Client Info		<b>100540</b>	98532	98695
Oil Age	hrs	Client Info		<b>2008</b>	5630	5780
Oil Changed	Client Info			<b>Not Chngd</b>	N/A	Not Chngd
Sample Status				<b>NORMAL</b>	ATTENTION	ATTENTION

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	2	2
Chromium	ppm	ASTM D5185m	>5	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	>15	0	<1	0
Lead	ppm	ASTM D5185m	>65	0	0	0
Copper	ppm	ASTM D5185m	>65	<1	<1	1
Tin	ppm	ASTM D5185m	>10	4	▲ 11	▲ 23
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.3	0	0	1
Barium	ppm	ASTM D5185m	0.3	0	0	5
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m	0.9	0	<1	<1
Magnesium	ppm	ASTM D5185m	0.2	2	2	<1
Calcium	ppm	ASTM D5185m	0.1	0	0	0
Phosphorus	ppm	ASTM D5185m	429	286	260	230
Zinc	ppm	ASTM D5185m	0.3	0	0	2
Sulfur	ppm	ASTM D5185m	1336	1057	660	658

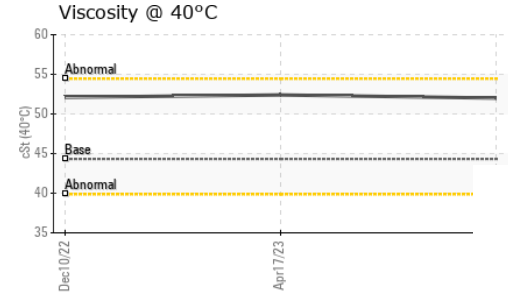
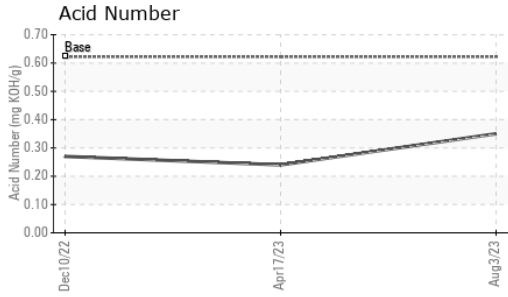
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<1	0	1
Sodium	ppm	ASTM D5185m		<1	2	7
Potassium	ppm	ASTM D5185m	>20	<1	0	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.622	0.35	0.24	0.27

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
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	VLITE
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	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

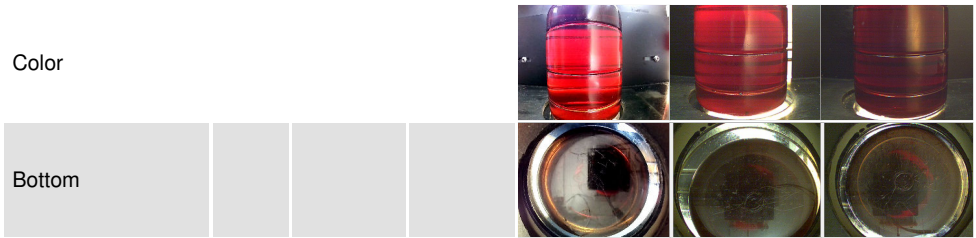


# OIL ANALYSIS REPORT

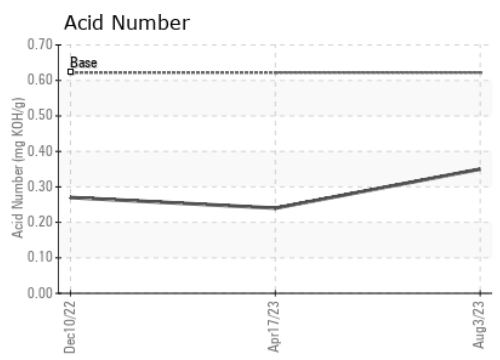
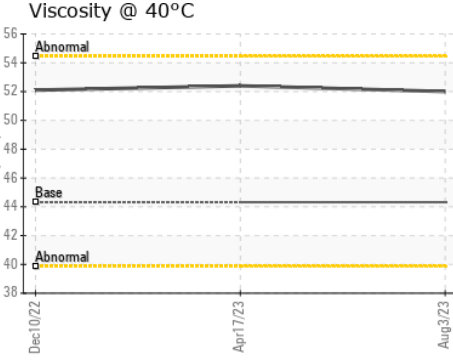
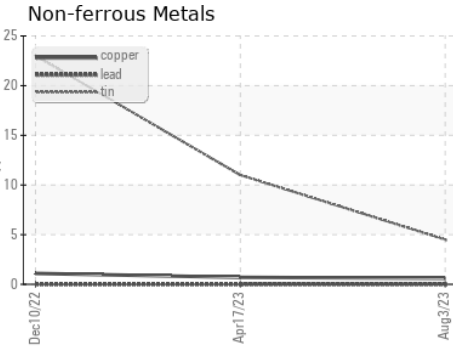
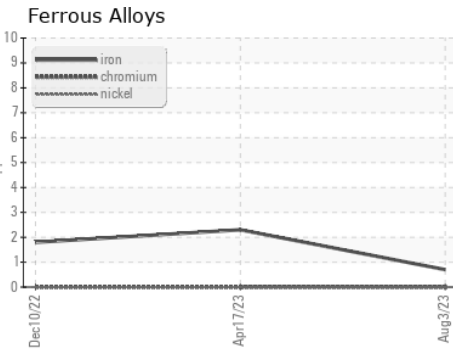


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.32	<b>52.0</b>	52.4	52.1

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCZ05926231 **Received** : 16 Aug 2023  
**Lab Number** : **05926231** **Diagnosed** : 17 Aug 2023  
**Unique Number** : 10606178 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

**ZORN COMP & EQUIPMENT INC - MAIN**  
 1335 E WISCONSIN AVE  
 PEWAUKEE, WI  
 US 53072  
 Contact: JOE HAMILTON  
 joe.hamilton@zornair.com  
 T: (800)476-4637  
 F: (262)695-7017

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)