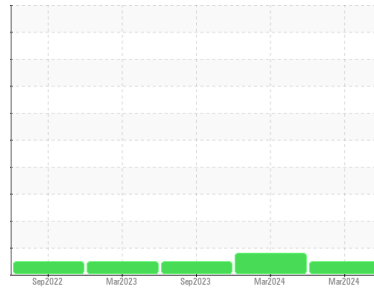




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**(FA-9643.1) RIVERMAID**  
 Machine Id  
**GEA SC03 (S/N N1336)**  
 Component  
**Screw Compressor**  
 Fluid  
**SUMMIT RHT 68 (40 GAL)**

## 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>WC0851625</b>	WC0851593	WC0807641
Sample Date	Client Info		<b>25 Mar 2024</b>	06 Mar 2024	22 Sep 2023
Machine Age	hrs	Client Info	<b>4540</b>	53231	49935
Oil Age	hrs	Client Info	<b>4540</b>	0	0
Oil Changed	Client Info		<b>Filtered</b>	Filtered	Filtered
Sample Status			<b>NORMAL</b>	MARGINAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >60	<b>1</b>	43	22
Chromium	ppm	ASTM D5185m >4	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m >5	<b>2</b>	0	<1
Lead	ppm	ASTM D5185m >10	<b>&lt;1</b>	1	0
Copper	ppm	ASTM D5185m >30	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m >15	<b>1</b>	<1	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>1</b>	0	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185m	<b>4</b>	0	0
Phosphorus	ppm	ASTM D5185m	<b>&lt;1</b>	0	1
Zinc	ppm	ASTM D5185m	<b>0</b>	0	0
Sulfur	ppm	ASTM D5185m	<b>0</b>	0	0

## CONTAMINANTS

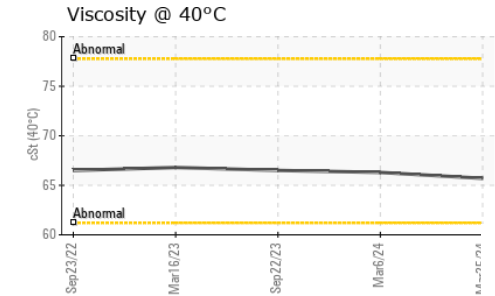
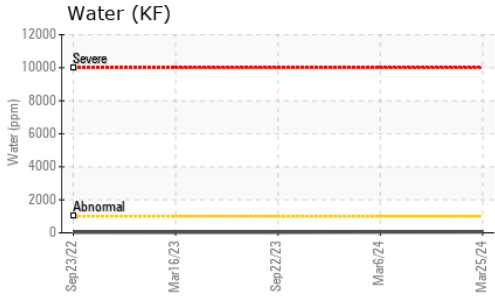
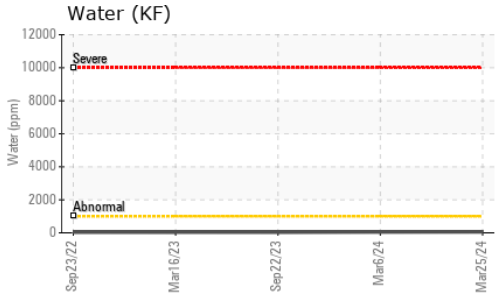
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>&lt;1</b>	<1	<1
Sodium	ppm	ASTM D5185m	<b>0</b>	2	0
Potassium	ppm	ASTM D5185m >20	<b>1</b>	2	0
Water	%	ASTM D6304 >0.1	<b>0.005</b>	0.004	0.003
ppm Water	ppm	ASTM D6304 >1000	<b>52</b>	44	28.0

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.028</b>	0.014	0.013



# OIL ANALYSIS REPORT



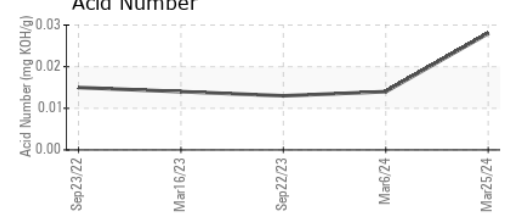
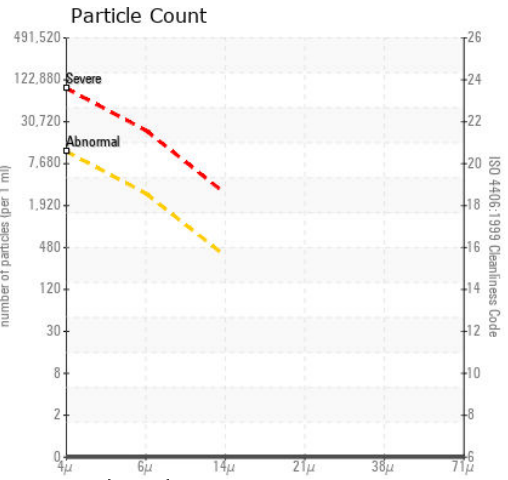
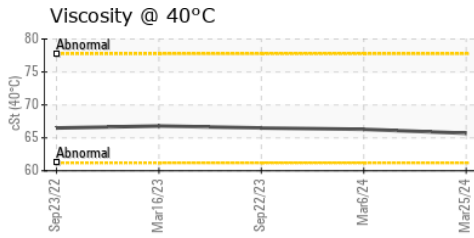
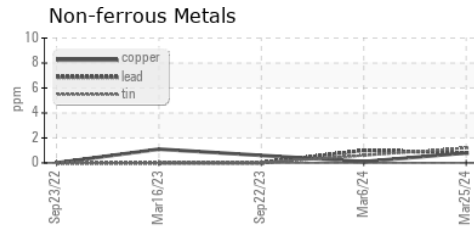
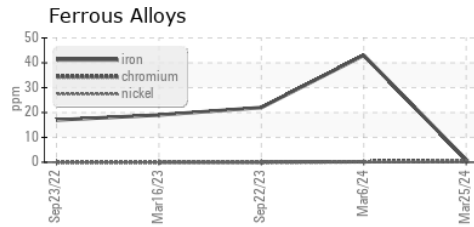
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	▲ MODER	LIGHT
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	65.7	66.3	66.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0851625      **Received** : 02 Apr 2024  
**Lab Number** : 06135725      **Tested** : 12 Apr 2024  
**Unique Number** : 10955190      **Diagnosed** : 12 Apr 2024 - Doug Bogart  
**Test Package** : PLANT

**SCHRADER MECHANICAL**  
 1015 BLACK DIAMOND WAY  
 LODI PROVINCE, CA  
 US 95240  
 Contact: Schrader Mechanical  
 amanda.h@smiwest.com  
 T: (209)369-6888  
 F: x:

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)