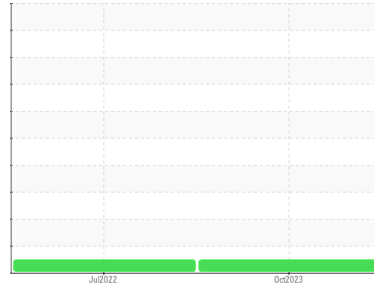




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**MISSION BELL [9262]**  
 Machine Id  
**GEA PANEL 4 (S/N 2053653)**  
 Component  
**Screw Compressor**  
 Fluid  
**APCCO ISO 68 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. 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>WC0851611</b>	WC0653523	---
Sample Date	Client Info		<b>25 Oct 2023</b>	12 Jul 2022	---
Machine Age	hrs	Client Info	<b>0</b>	331	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Filtered</b>	N/A	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >60	<b>5</b>	3	---
Chromium	ppm	ASTM D5185m >4	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >5	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m >10	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >30	<b>1</b>	<1	---
Tin	ppm	ASTM D5185m >15	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	2	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m	<b>0</b>	0	---
Calcium	ppm	ASTM D5185m	<b>0</b>	4	---
Phosphorus	ppm	ASTM D5185m	<b>0</b>	32	---
Zinc	ppm	ASTM D5185m	<b>0</b>	0	---
Sulfur	ppm	ASTM D5185m	<b>1161</b>	2377	---

## CONTAMINANTS

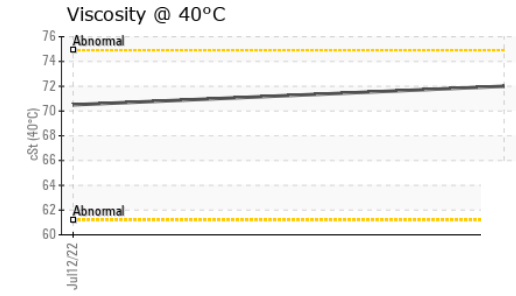
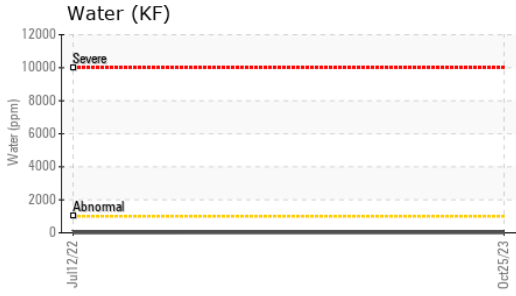
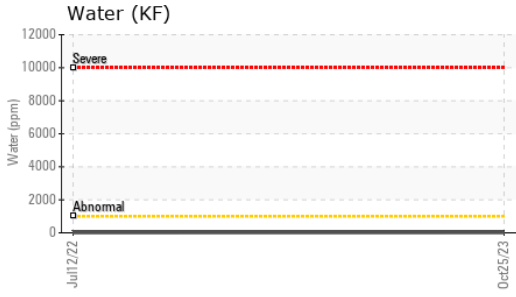
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>3</b>	3	---
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	1	---
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	---
Water	%	ASTM D6304 >0.1	<b>0.002</b>	0.001	---
ppm Water	ppm	ASTM D6304 >1000	<b>17.6</b>	14.9	---

## FLUID DEGRADATION

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



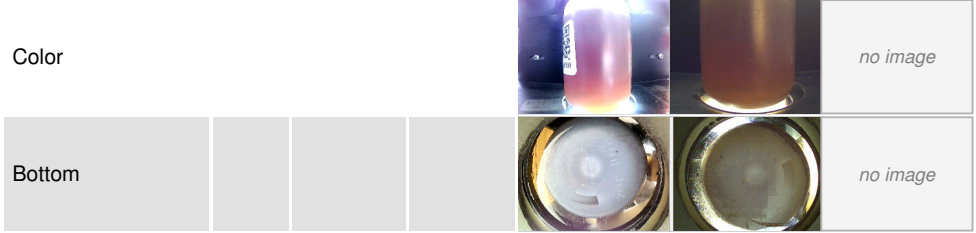
# OIL ANALYSIS REPORT



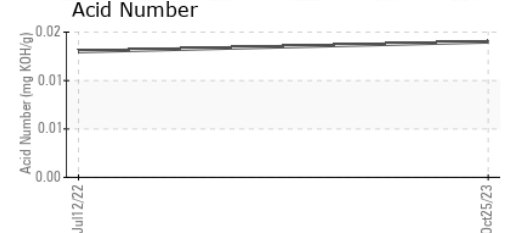
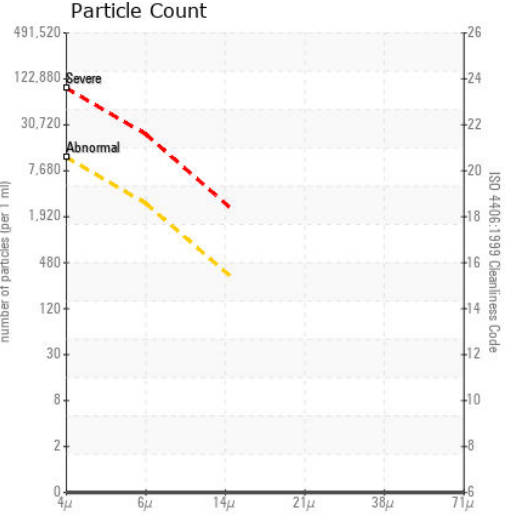
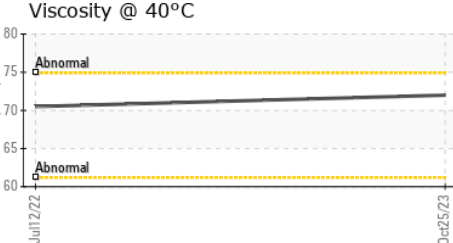
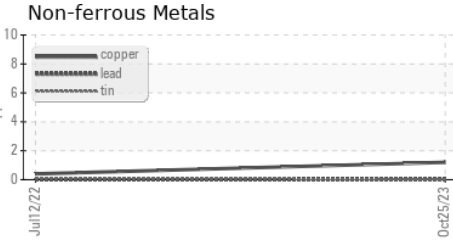
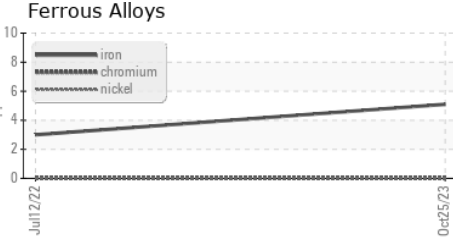
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>72.0</b>	70.5	---

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.** : WC0851611      **Received** : 01 Nov 2023  
**Lab Number** : **05995672**      **Diagnosed** : 03 Nov 2023  
**Unique Number** : 10724032      **Diagnostician** : Jonathan Hester  
**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)