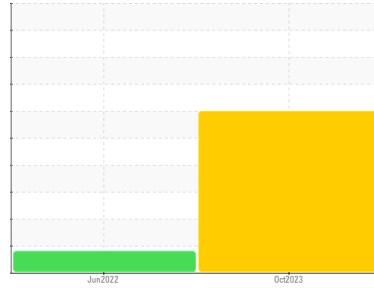




PROBLEM SUMMARY

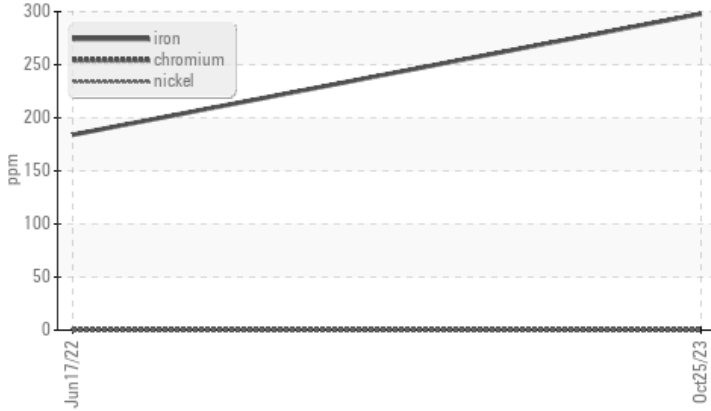
Sample Rating Trend



Area
MISSION BELL [9259]
 Machine Id
RC01 - MISSION BELL (S/N 2052102)
 Component
Refrigeration Compressor
 Fluid
APCCO ISO 68 (--- GAL)

COMPONENT CONDITION SUMMARY

Ferrous Alloys



RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status	SEVERE	ABNORMAL	---
Iron	298	184	---

Customer Id: SCHLOD
 Sample No.: WC0851634
 Lab Number: 05995668
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

17 Jun 2022 Diag: Jonathan Hester

WEAR



No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The iron level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

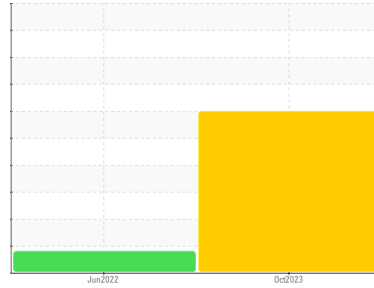
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
MISSION BELL [9259]
 Machine Id
RC01 - MISSION BELL (S/N 2052102)
 Component
Refrigeration Compressor
 Fluid
APCCO ISO 68 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

The iron level is severe. All other 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		WC0851634	WC0653507	---
Sample Date	Client Info		25 Oct 2023	17 Jun 2022	---
Machine Age	hrs	Client Info	62830	61427	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed		Client Info	Filtered	Filtered	---
Sample Status			SEVERE	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >8	298	184	---
Chromium	ppm	ASTM D5185m >2	<1	<1	---
Nickel	ppm	ASTM D5185m	<1	0	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m >2	0	0	---
Aluminum	ppm	ASTM D5185m >3	0	<1	---
Lead	ppm	ASTM D5185m >2	0	<1	---
Copper	ppm	ASTM D5185m >8	<1	<1	---
Tin	ppm	ASTM D5185m >4	0	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	<1	<1	---
Magnesium	ppm	ASTM D5185m	0	<1	---
Calcium	ppm	ASTM D5185m	<1	9	---
Phosphorus	ppm	ASTM D5185m	0	8	---
Zinc	ppm	ASTM D5185m	27	25	---
Sulfur	ppm	ASTM D5185m	280	484	---

CONTAMINANTS

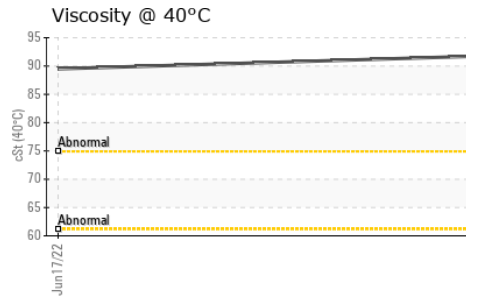
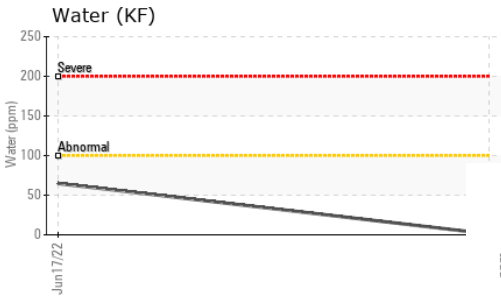
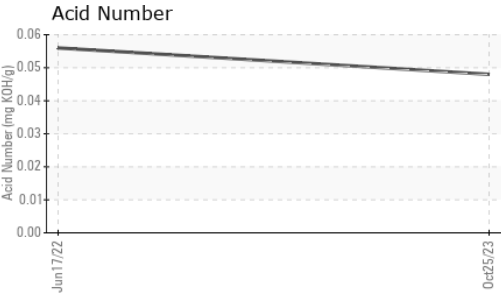
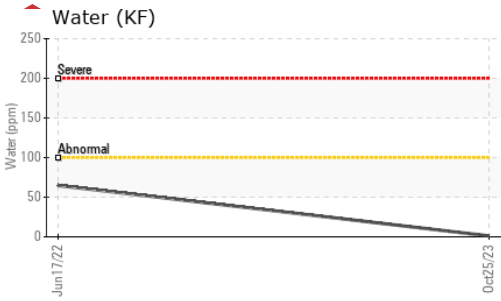
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	7	6	---
Sodium	ppm	ASTM D5185m	1	1	---
Potassium	ppm	ASTM D5185m >20	<1	0	---
Water	%	ASTM D6304 >0.01	0.001	0.006	---
ppm Water	ppm	ASTM D6304 >100	1.1	64.8	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.048	0.056	---



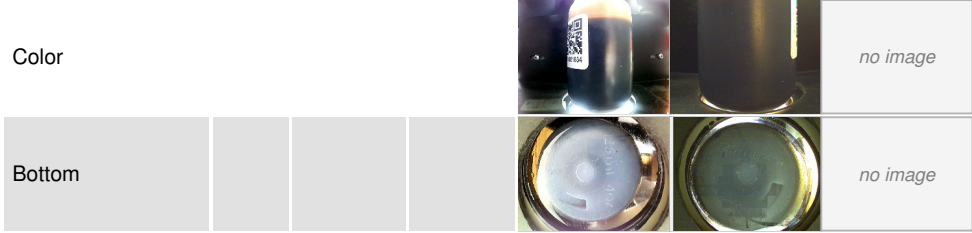
OIL ANALYSIS REPORT



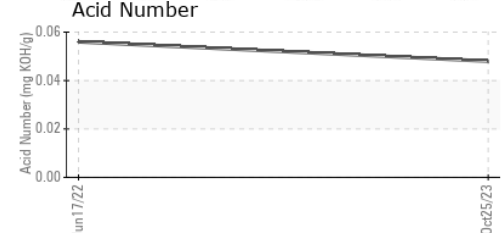
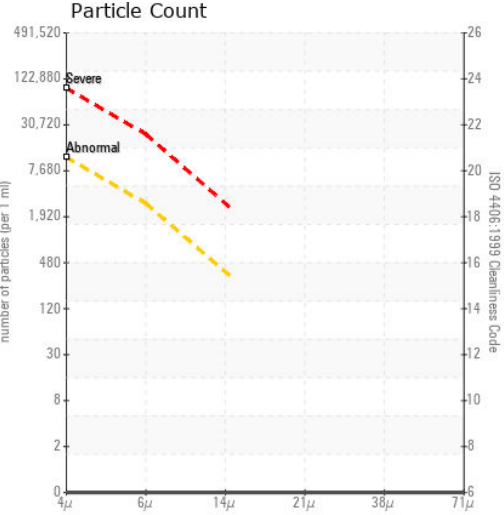
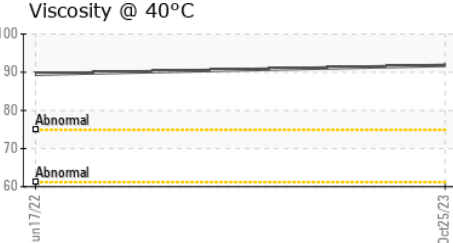
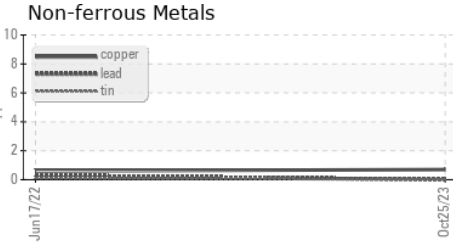
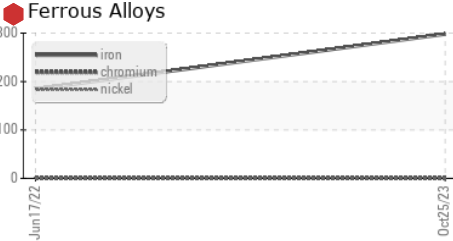
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.01	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	91.8	89.5	---

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. : WC0851634 **Received** : 01 Nov 2023
Lab Number : 05995668 **Diagnosed** : 03 Nov 2023
Unique Number : 10724028 **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)