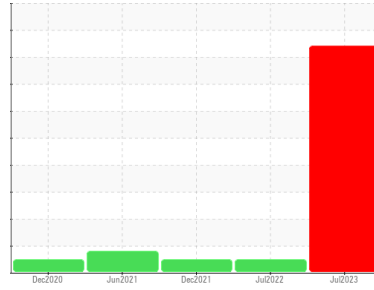




PROBLEM SUMMARY

Sample Rating Trend

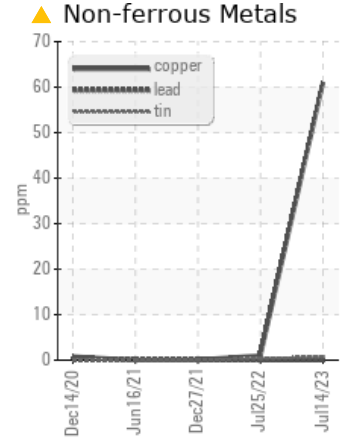
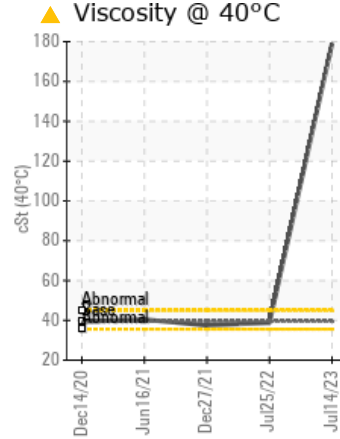
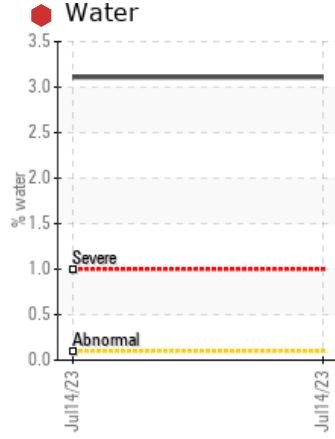
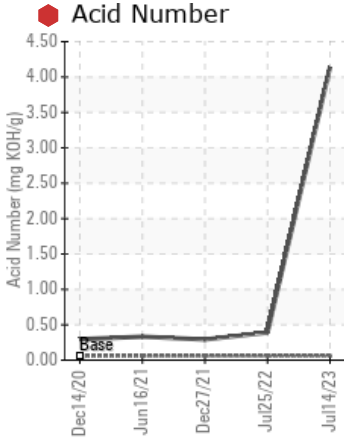


DEGRADATION



Machine Id
SULLAIR 2
 Component
Screw Compressor
 Fluid
SULLAIR PRISTINE FG (35 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	NORMAL	NORMAL
Copper	ppm	ASTM D5185m	>30	▲ 61	1	<1
Water	%	ASTM D6304	>0.1	● 3.11	---	---
ppm Water	ppm	ASTM D6304	>1000	● 31100	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	● 4.14	0.39	0.292
Silt	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	NEG	NEG
Visc @ 40°C	cSt	ASTM D445	39.5	▲ 179	38.8	37.5

Customer Id: CONSTR
 Sample No.: WC0656274
 Lab Number: 05901923
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@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
Change Fluid	---	---	?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.
Flush System	---	---	?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

25 Jul 2022 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All 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



27 Dec 2021 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All 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



16 Jun 2021 Diag: Jonathan Hester

SEDIMENT



We suspect abnormal contamination may be due to sampling method. We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

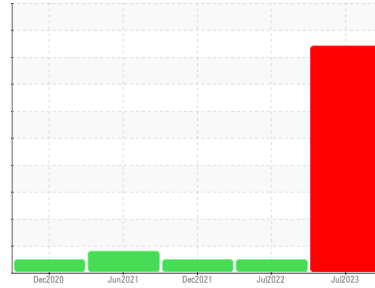
view report





OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Machine Id
SULLAIR 2
 Component
Screw Compressor
 Fluid
SULLAIR PRISTINE FG (35 GAL)

DIAGNOSIS

Recommendation

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

Wear

The copper level is abnormal.

Contamination

There is a high concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

Fluid Condition

The AN level is above the recommended limit. The oil viscosity is higher than normal. The oil is no longer serviceable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0656274	WC0656278	WC0597839
Sample Date	Client Info		14 Jul 2023	25 Jul 2022	27 Dec 2021
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			SEVERE	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >60	17	<1	0
Chromium	ppm	ASTM D5185m >4	0	0	0
Nickel	ppm	ASTM D5185m	<1	<1	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	<1	0
Aluminum	ppm	ASTM D5185m >5	1	0	0
Lead	ppm	ASTM D5185m >10	0	0	0
Copper	ppm	ASTM D5185m >30	61	1	<1
Tin	ppm	ASTM D5185m >15	<1	<1	0
Antimony	ppm	ASTM D5185m	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	1	1	<1
Barium	ppm	ASTM D5185m 0	0	0	8
Molybdenum	ppm	ASTM D5185m 0	0	0	0
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m 0	<1	0	0
Calcium	ppm	ASTM D5185m 0	3	0	0
Phosphorus	ppm	ASTM D5185m 0	12	5	4
Zinc	ppm	ASTM D5185m 2	<1	0	0
Sulfur	ppm	ASTM D5185m	4222	190	269

CONTAMINANTS

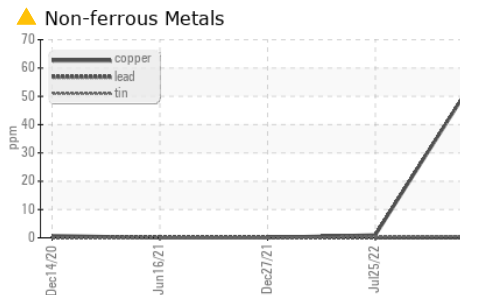
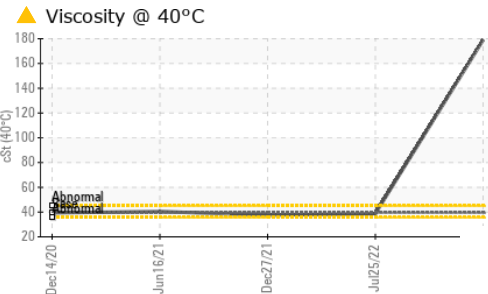
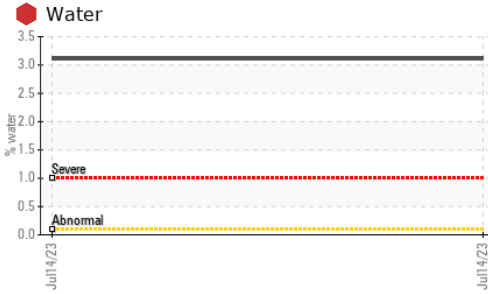
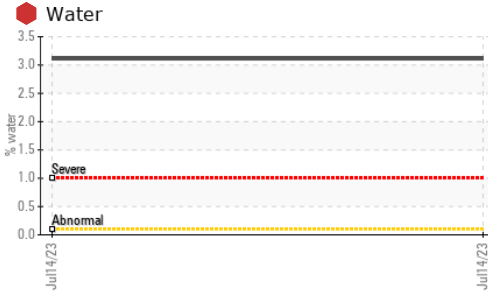
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<1	<1	<1
Sodium	ppm	ASTM D5185m	13	0	0
Potassium	ppm	ASTM D5185m >20	2	0	0
Water	%	ASTM D6304 >0.1	3.11	---	---
ppm Water	ppm	ASTM D6304 >1000	31100	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.06	4.14	0.39	0.292



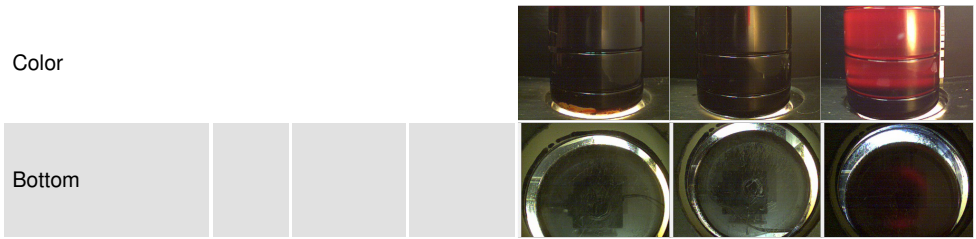
OIL ANALYSIS REPORT



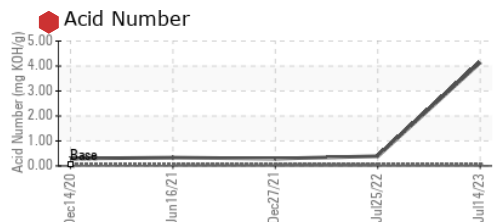
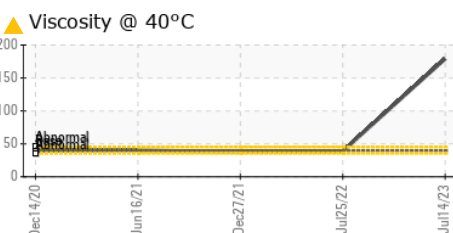
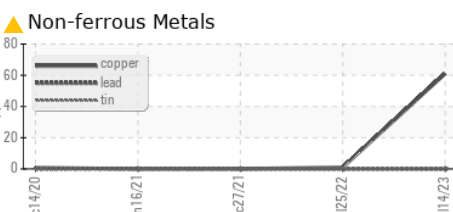
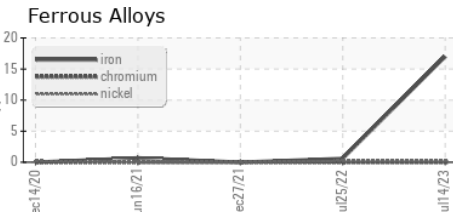
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	▲ MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1 ▲ 0.2%	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	39.5 ▲ 179	38.8	37.5

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. : WC0656274 Received : 18 Jul 2023
 Lab Number : 05901923 Diagnosed : 25 Jul 2023
 Unique Number : 10563279 Diagnostician : Doug Bogart
 Test Package : IND 2 (Additional Tests: KF)

Altium Packaging - WEST CHICAGO - DUPAGE - Plant 1123A
 1300 NORTHWEST AVE
 WEST CHICAGO, IL
 US 60185
 Contact: DALE HARRISON
 dale.harrison@altiumpkg.com

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)

T: x:

F: x: