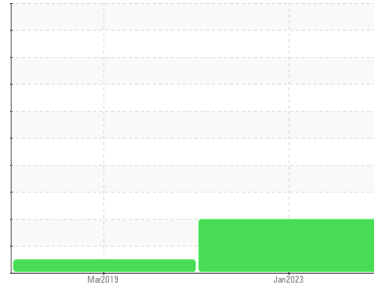




PROBLEM SUMMARY

Sample Rating Trend



ISO



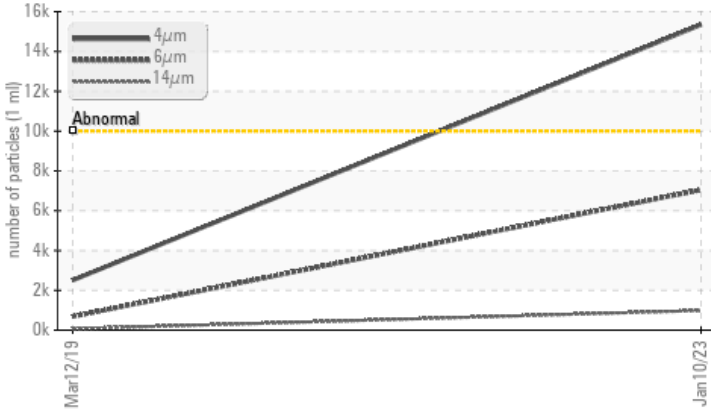
Machine Id
SULLAIR AC2A

Component
Air Compressor

Fluid
SULLAIR SULLUBE (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status	ASTM D7647	ASTM D7647	ABNORMAL	NORMAL	---
Particles >4µm	ASTM D7647	>10000	▲ 15348	2507	---
Particles >6µm	ASTM D7647	>2500	▲ 7049	683	---
Particles >14µm	ASTM D7647	>320	▲ 984	67	---
Particles >21µm	ASTM D7647	>80	▲ 291	19	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 21/20/17	19/17/13	---

Customer Id: THRFAI
Sample No.: USP227951
Lab Number: 05739708
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 Filter	---	---	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

12 Mar 2019 Diag: Doug Bogart

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 amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

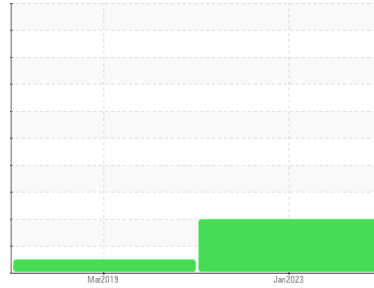
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
SULLAIR AC2A
 Component
Air Compressor
 Fluid
SULLAIR SULLUBE (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present 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		USP227951	USP187122	---
Sample Date	Client Info		10 Jan 2023	12 Mar 2019	---
Machine Age	hrs	Client Info	0	66353	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	Not Changd	---
Sample Status			ABNORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<1	<1	---
Chromium	ppm	ASTM D5185m >4	0	0	---
Nickel	ppm	ASTM D5185m >4	<1	1	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >10	<1	0	---
Lead	ppm	ASTM D5185m >20	<1	0	---
Copper	ppm	ASTM D5185m >40	3	<1	---
Tin	ppm	ASTM D5185m >5	2	0	---
Antimony	ppm	ASTM D5185m	---	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	---
Barium	ppm	ASTM D5185m 745	437	801	---
Molybdenum	ppm	ASTM D5185m 0.0	0	<1	---
Manganese	ppm	ASTM D5185m	0	0	---
Magnesium	ppm	ASTM D5185m 0.0	0	2	---
Calcium	ppm	ASTM D5185m 1	0	2	---
Phosphorus	ppm	ASTM D5185m 3	0	0	---
Zinc	ppm	ASTM D5185m 0.1	0	1	---
Sulfur	ppm	ASTM D5185m 240	136	265	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	1	<1	---
Sodium	ppm	ASTM D5185m	55	14	---
Potassium	ppm	ASTM D5185m >20	3	0	---
Water	%	ASTM D6304 >0.6	0.083	0.070	---
ppm Water	ppm	ASTM D6304 >6000	836.4	700	---

FLUID CLEANLINESS

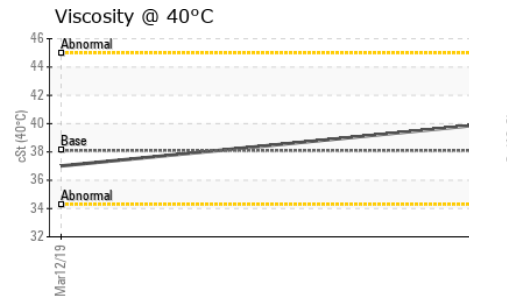
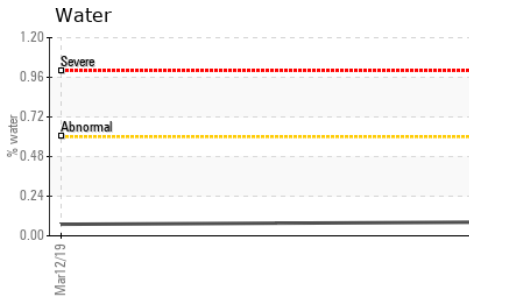
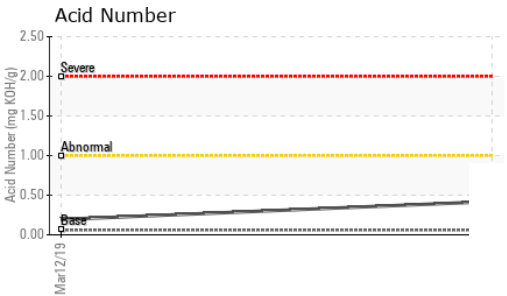
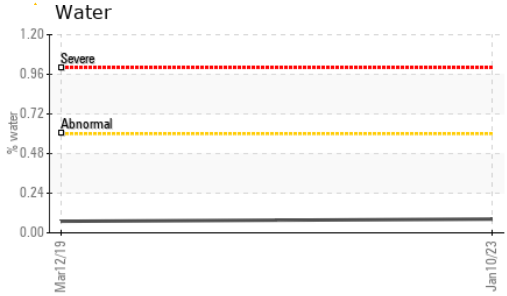
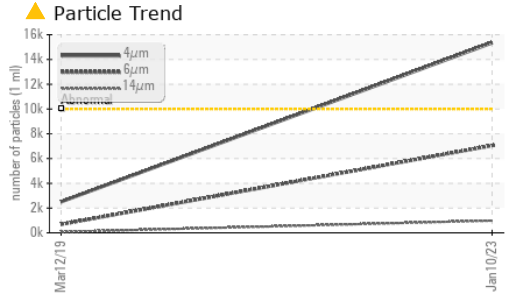
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	▲ 15348	2507	---
Particles >6µm	ASTM D7647	>2500	▲ 7049	683	---
Particles >14µm	ASTM D7647	>320	▲ 984	67	---
Particles >21µm	ASTM D7647	>80	▲ 291	19	---
Particles >38µm	ASTM D7647	>20	10	1	---
Particles >71µm	ASTM D7647	>4	0	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 21/20/17	19/17/13	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 .06	0.42	0.194	---



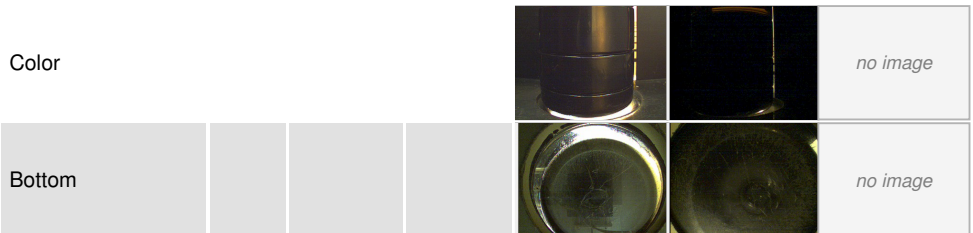
OIL ANALYSIS REPORT



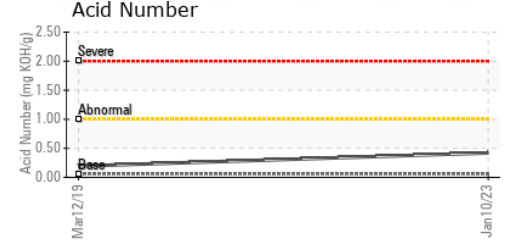
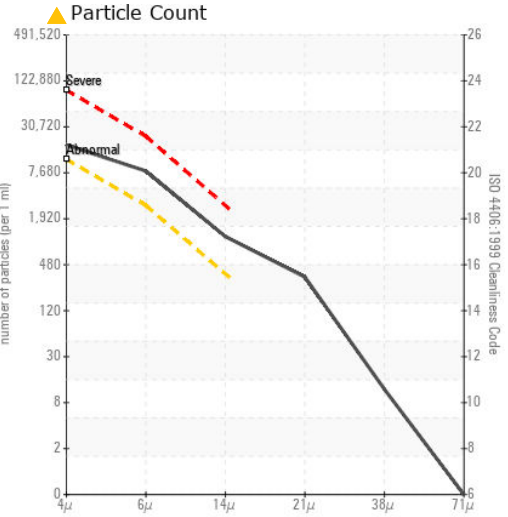
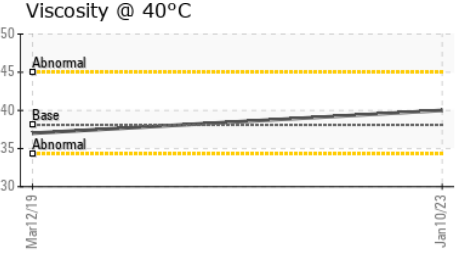
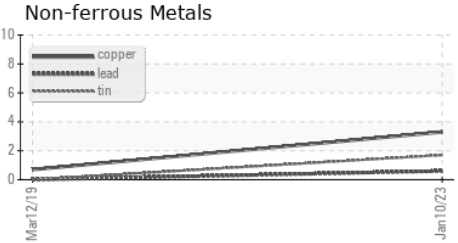
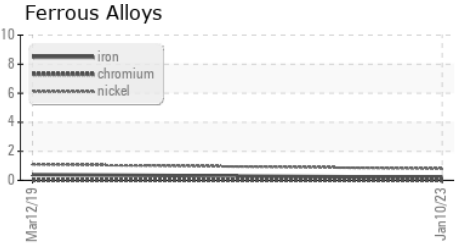
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.6	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	38.1	40.0	37.01

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP227951 **Received** : 16 Jan 2023
Lab Number : 05739708 **Diagnosed** : 17 Jan 2023
Unique Number : 10294307 **Diagnostician** : Doug Bogart
Test Package : IND 2

3M - FAIRMONT
 710 NORTH STATE STREET
 FAIRMONT, MN
 US 56031
 Contact: JEFF NELSON
 jvnelson2@mmm.com
 T: (507)235-2111
 F: (507)235-2180

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)