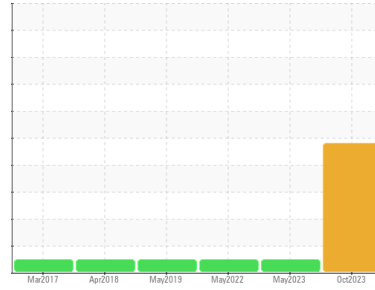




PROBLEM SUMMARY

Sample Rating Trend

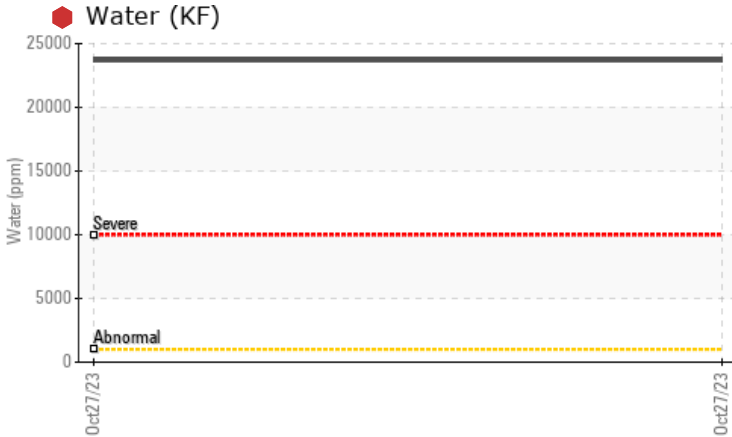


WATER



Area
SULLUBE
 Machine Id
SULLAIR 003-129163 - GREAT LAKES METAL STAMPING
 Component
Compressor

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	NORMAL	NORMAL
Water	%	ASTM D6304	>0.1	🔴 2.37	---	---
ppm Water	ppm	ASTM D6304	>1000	🔴 23700	---	---
Silt	scalar	*Visual	NONE	🟡 MODER	NONE	NONE
Appearance	scalar	*Visual	NORML	🟡 HAZY	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	🔴 0.2%	NEG	NEG

Customer Id: UCAIRBYR
 Sample No.: UCH05999101
 Lab Number: 05999101
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Angela Borella +1 800-237-1369
angela.borella@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
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

12 May 2023 Diag: Angela Borella

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 acceptable for the time in service.

view report



08 May 2022 Diag: Angela Borella

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



30 May 2019 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.

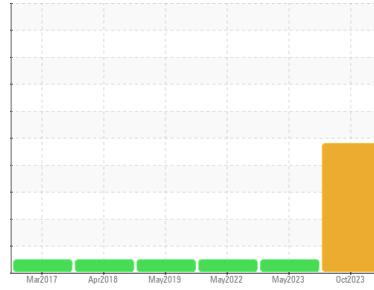
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
SULLUBE
 Machine Id
SULLAIR 003-129163 - GREAT LAKES METAL STAMPING
 Component
Compressor

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCH05999101	UCH05860241	UCH05539708
Sample Date	Client Info		27 Oct 2023	12 May 2023	08 May 2022
Machine Age	hrs	Client Info	40415	40150	39909
Oil Age	hrs	Client Info	0	341	2046
Oil Changed	Client Info		N/A	Not Changd	Changed
Sample Status			SEVERE	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	0	3
Chromium	ppm	ASTM D5185m >10	0	0	<1
Nickel	ppm	ASTM D5185m	0	<1	<1
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	0	0	1
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >50	<1	<1	<1
Tin	ppm	ASTM D5185m >15	<1	<1	<1
Antimony	ppm	ASTM D5185m	---	---	---
Vanadium	ppm	ASTM D5185m	0	0	<1
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0	3
Barium	ppm	ASTM D5185m 745	416	564	537
Molybdenum	ppm	ASTM D5185m 0.0	0	0	<1
Manganese	ppm	ASTM D5185m	0	0	<1
Magnesium	ppm	ASTM D5185m 0.0	0	<1	6
Calcium	ppm	ASTM D5185m 1	6	0	12
Phosphorus	ppm	ASTM D5185m 3	6	2	10
Zinc	ppm	ASTM D5185m 0.1	10	2	12
Sulfur	ppm	ASTM D5185m 240	274	332	321

CONTAMINANTS

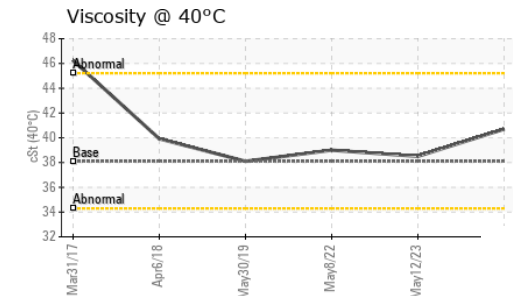
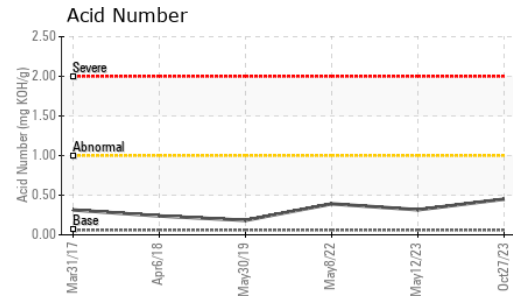
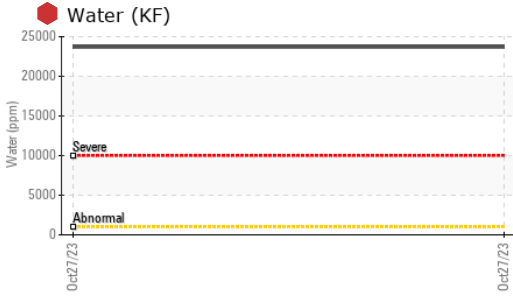
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<1	1	2
Sodium	ppm	ASTM D5185m	20	21	52
Potassium	ppm	ASTM D5185m >20	2	2	2
Water	%	ASTM D6304 >0.1	2.37	---	---
ppm Water	ppm	ASTM D6304 >1000	23700	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 .06	0.45	0.316	0.391



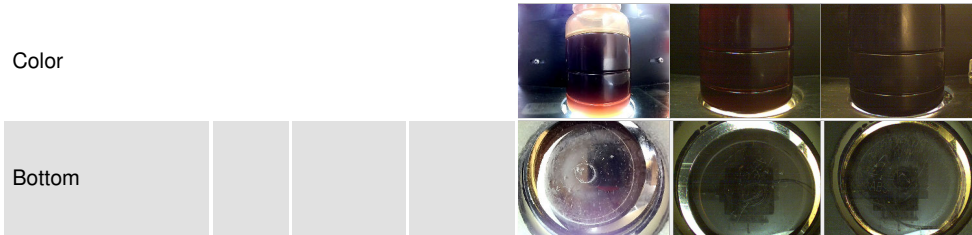
OIL ANALYSIS REPORT



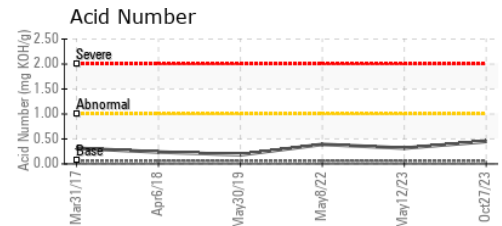
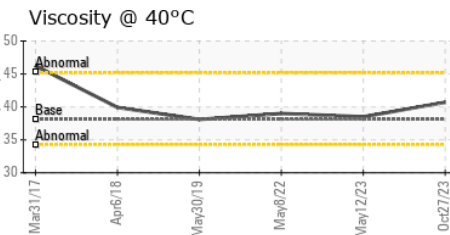
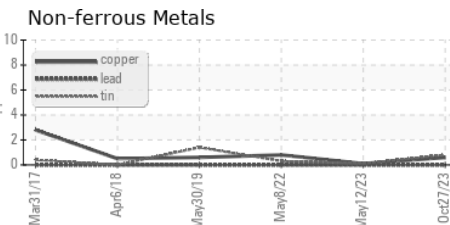
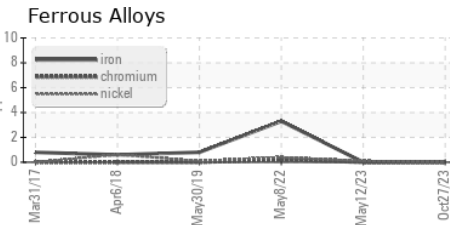
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	▲ MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	38.1	40.7	38.5	39.0

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. : UCH05999101 **Received** : 06 Nov 2023
Lab Number : 05999101 **Diagnosed** : 07 Nov 2023
Unique Number : 10727461 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: KF)

AIR TECHNOLOGIES INC (GR)
 160 84TH STREET SW SUITE 1
 BYRON CENTER, MI
 US 49315

Contact: STEPHANIE CLAYPOOL
 stephanie.claypool@aircompressors.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: (616)281-6737