



PROBLEM SUMMARY

Sample Rating Trend

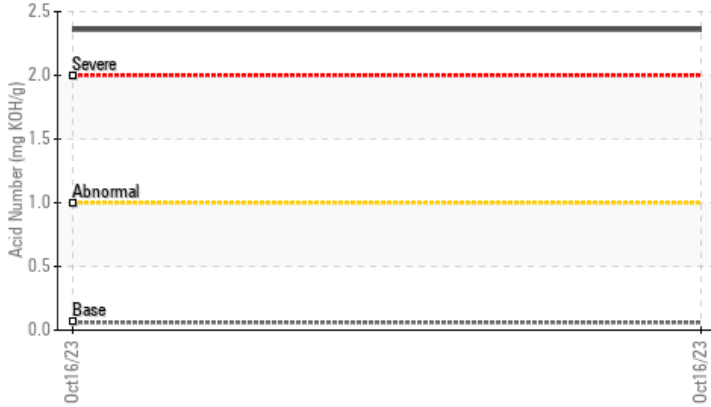
DEGRADATION

Area
SULLUBE [1394676]
Machine Id
SULLAIR 201509160041
Component
Compressor

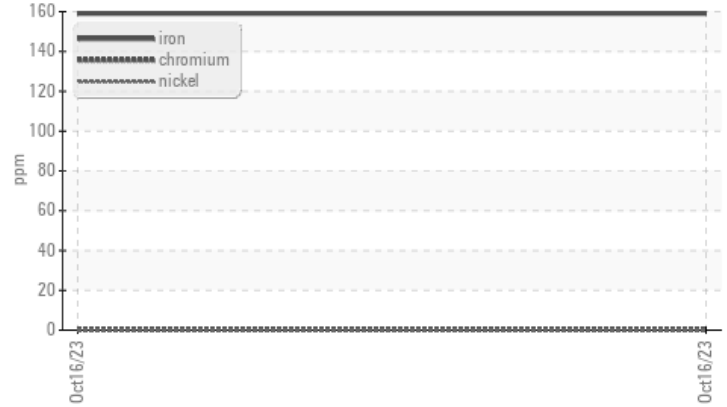


COMPONENT CONDITION SUMMARY

▲ Acid Number



▲ Ferrous Alloys



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>50	▲ 159	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	.06	▲ 2.36	---	---

Customer Id: UCAIRCLE
Sample No.: UCH06000598
Lab Number: 06000598
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

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	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION

Area
SULLUBE [1394676]
 Machine Id
SULLAIR 201509160041
 Component
Compressor



DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

The iron level is abnormal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is above the recommended limit.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	UCH06000598	---	---
Sample Date	Client Info	16 Oct 2023	---	---
Machine Age	hrs Client Info	50875	---	---
Oil Age	hrs Client Info	1528	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>50	▲ 159	---	---
Chromium ppm ASTM D5185m	>10	<1	---	---
Nickel ppm ASTM D5185m		0	---	---
Titanium ppm ASTM D5185m		0	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>25	7	---	---
Lead ppm ASTM D5185m	>25	0	---	---
Copper ppm ASTM D5185m	>50	5	---	---
Tin ppm ASTM D5185m	>15	<1	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		4	---	---
Barium ppm ASTM D5185m	745	563	---	---
Molybdenum ppm ASTM D5185m	0.0	0	---	---
Manganese ppm ASTM D5185m		1	---	---
Magnesium ppm ASTM D5185m	0.0	<1	---	---
Calcium ppm ASTM D5185m	1	14	---	---
Phosphorus ppm ASTM D5185m	3	10	---	---
Zinc ppm ASTM D5185m	0.1	182	---	---
Sulfur ppm ASTM D5185m	240	388	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	2	---	---
Sodium ppm ASTM D5185m		59	---	---
Potassium ppm ASTM D5185m	>20	7	---	---

FLUID DEGRADATION

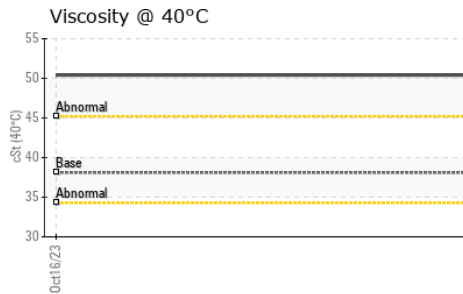
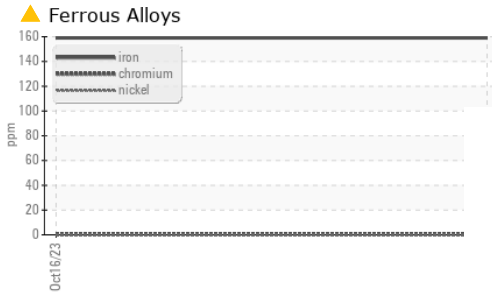
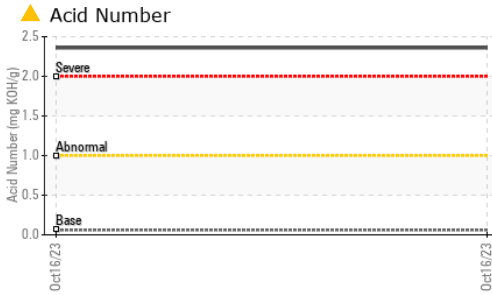
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	.06	▲ 2.36	---	---

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	LIGHT	---	---
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	---	---



OIL ANALYSIS REPORT

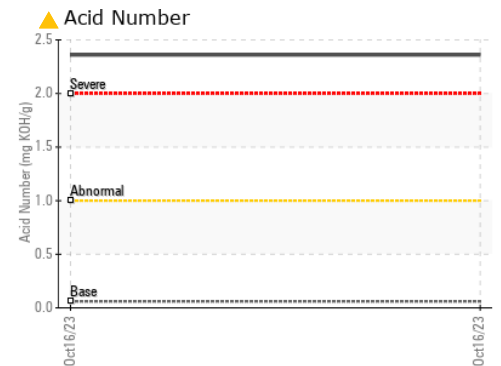
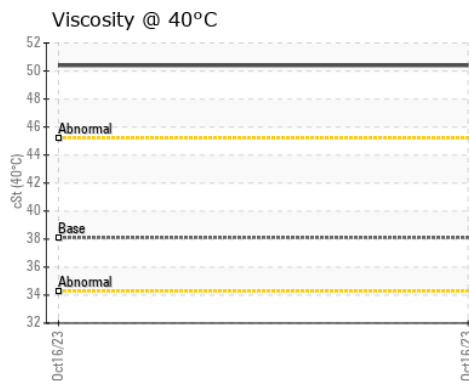
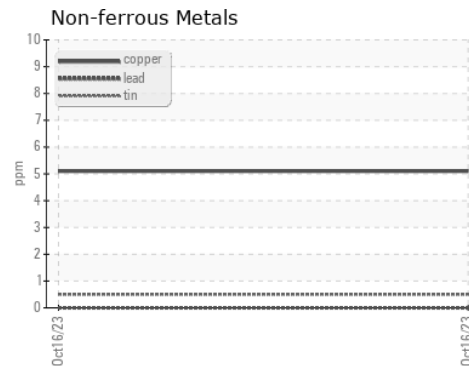
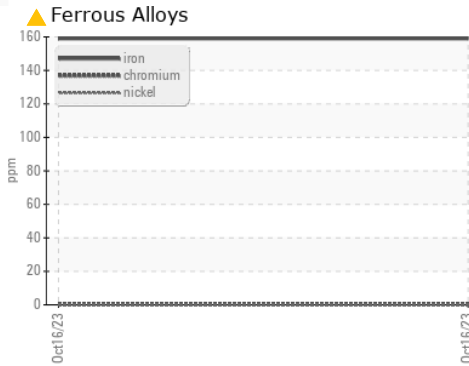


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 38.1	50.4	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : UCH06000598 Received : 07 Nov 2023
 Lab Number : 06000598 Diagnosed : 09 Nov 2023
 Unique Number : 10728958 Diagnostician : Don Baldrige
 Test Package : IND 2

AIR TECHNOLOGIES INC (CLE)
 6500 DAVIS INDUSTRIAL PARKWAY
 CLEVELAND, OH
 US 44139
 Contact: CHRIS HINDERER
 CHRIS.HINDERERE@AIRCOMPRESSORS.COM
 T:
 F: (440)349-0608

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)