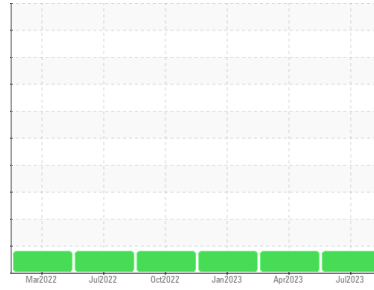




PROBLEM SUMMARY

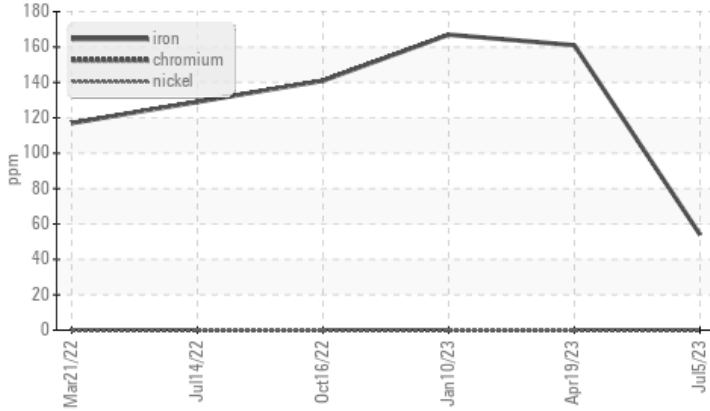
Sample Rating Trend



Area
SULLUBE 32
 Machine Id
SULLAIR 15730 - TEXTRON AVIATION (S/N 003-121671)
 Component
Compressor

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status	iron	chromium	nickel
ppm ASTM D5185m >50	ABNORMAL ▲ 54	ABNORMAL ▲ 161	ABNORMAL ▲ 167

Customer Id: UCAIRWIC
 Sample No.: UCH05929680
 Lab Number: 05929680
 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
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

19 Apr 2023 Diag: Don Baldrige

WEAR



Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The iron level is abnormal. 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



10 Jan 2023 Diag: Don Baldrige

WEAR



No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The iron level is abnormal. 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 Oct 2022 Diag: Don Baldrige

WEAR



No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The iron level is abnormal. 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



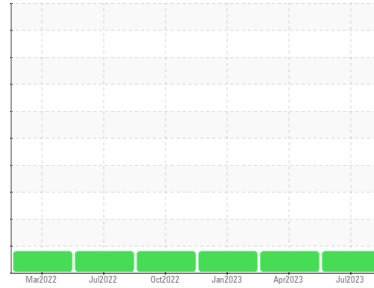


OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area
SULLUBE 32
 Machine Id
SULLAIR 15730 - TEXTRON AVIATION (S/N 003-121671)
 Component
Compressor



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Wear

The iron level has decreased, but is still abnormal for time on oil. 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		UCH05929680	UCH05865754	UCH05745291
Sample Date	Client Info		05 Jul 2023	19 Apr 2023	10 Jan 2023
Machine Age	hrs	Client Info	14463	14454	14452
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Not Changed	Changed	Not Changed
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	▲ 54	▲ 161	▲ 167
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m	<1	0	<1
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m >25	0	2	0
Lead	ppm	ASTM D5185m >25	<1	0	1
Copper	ppm	ASTM D5185m >50	10	40	42
Tin	ppm	ASTM D5185m >15	0	1	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m 745	734	583	641
Molybdenum	ppm	ASTM D5185m	0	<1	<1
Manganese	ppm	ASTM D5185m	<1	2	1
Magnesium	ppm	ASTM D5185m	<1	4	2
Calcium	ppm	ASTM D5185m 1	3	21	5
Phosphorus	ppm	ASTM D5185m 3	2	14	5
Zinc	ppm	ASTM D5185m	17	56	45
Sulfur	ppm	ASTM D5185m	302	357	190

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	<1	2
Sodium	ppm	ASTM D5185m	13	37	35
Potassium	ppm	ASTM D5185m >20	1	4	4

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.06	0.138	0.42	0.42

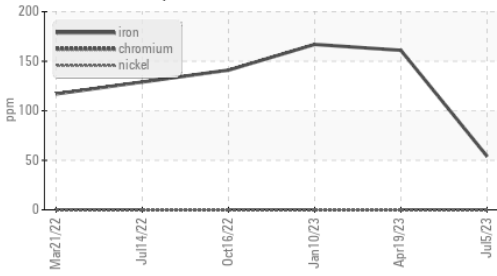
VISUAL

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

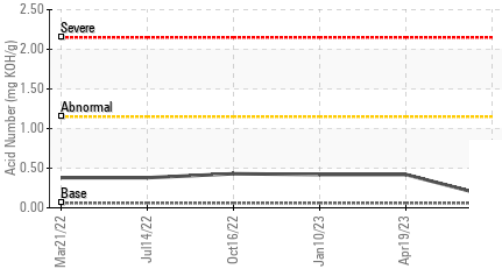


OIL ANALYSIS REPORT

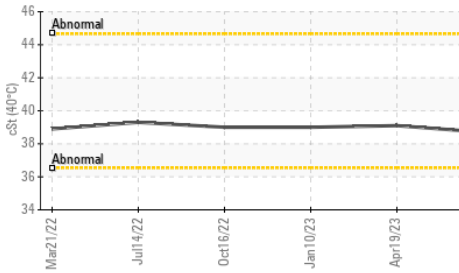
▲ Ferrous Alloys



Acid Number



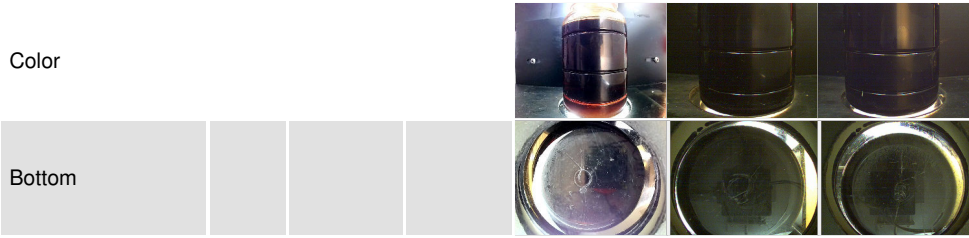
Viscosity @ 40°C



FLUID PROPERTIES

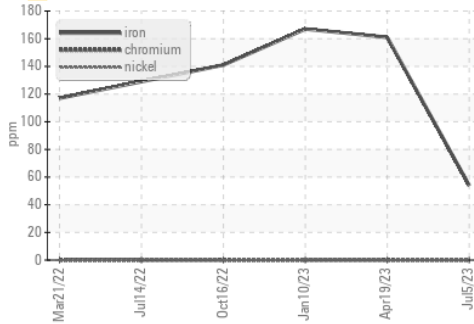
method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	38.7	39.1	39.0

SAMPLE IMAGES

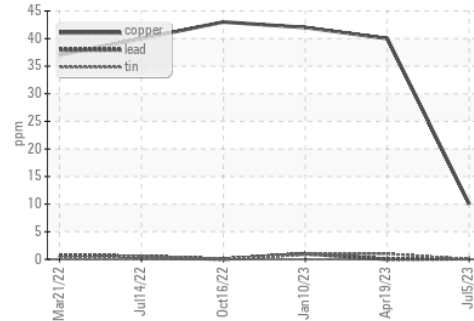


GRAPHS

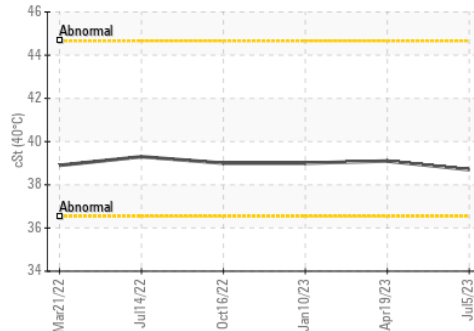
▲ Ferrous Alloys



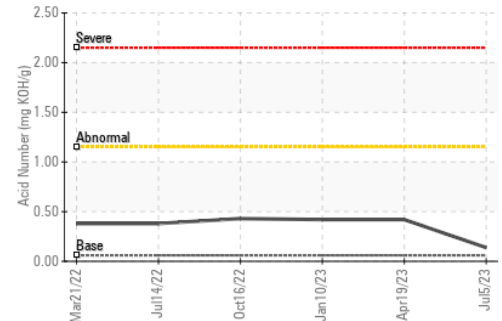
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05929680 **Received** : 21 Aug 2023
Lab Number : 05929680 **Diagnosed** : 23 Aug 2023
Unique Number : 10609627 **Diagnostician** : Don Baldrige
Test Package : IND 2

AIR CAPITAL EQUIPMENT INC
 806 E BOSTON ST
 WICHITA, KS
 US 67211
 Contact: MIKAYLA STOUT
 mstout@aircapeq.com
 T: (316)522-1111
 F:

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)