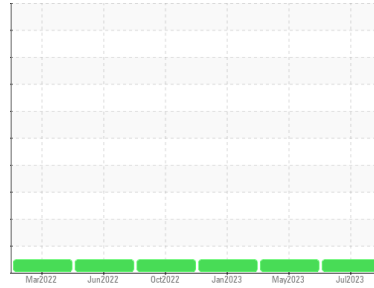




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**SULLAIR SULLUBE 32**  
 Machine Id  
**INGERSOLL RAND 23019 - TEXTRON AVIATION (S/N CK4256U01090)**  
 Component  
**Compressor**

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

Moderate concentration of visible dirt/debris 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		<b>UCH05929723</b>	UCH05865756	UCH05760793
Sample Date	Client Info		<b>20 Jul 2023</b>	03 May 2023	20 Jan 2023
Machine Age	hrs	Client Info	<b>22219</b>	20516	19610
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Not Changed</b>	Not Changd	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>1</b>	1	1
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	<1	2
Lead	ppm	ASTM D5185m >25	<b>3</b>	0	1
Copper	ppm	ASTM D5185m >50	<b>6</b>	<1	<1
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	<1
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 745	<b>734</b>	799	773
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	4	2
Calcium	ppm	ASTM D5185m 1	<b>6</b>	8	5
Phosphorus	ppm	ASTM D5185m 3	<b>6</b>	6	4
Zinc	ppm	ASTM D5185m	<b>6</b>	19	<1
Sulfur	ppm	ASTM D5185m	<b>361</b>	396	257

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>0</b>	<1	2
Sodium	ppm	ASTM D5185m	<b>59</b>	42	32
Potassium	ppm	ASTM D5185m >20	<b>2</b>	2	3

## FLUID DEGRADATION

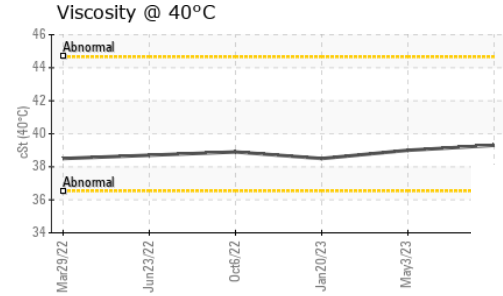
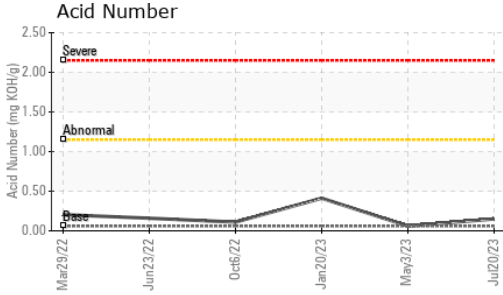
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.06	<b>0.15</b>	0.06	0.412

## VISUAL

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

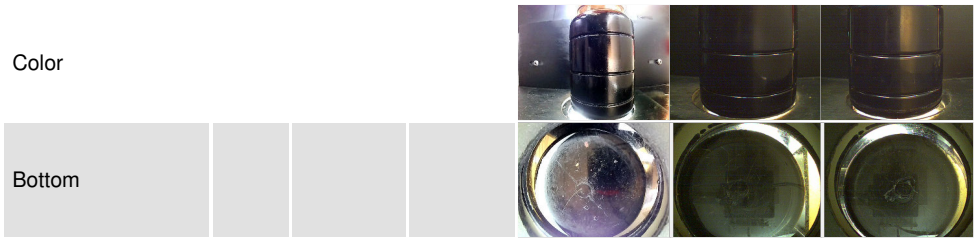


# OIL ANALYSIS REPORT

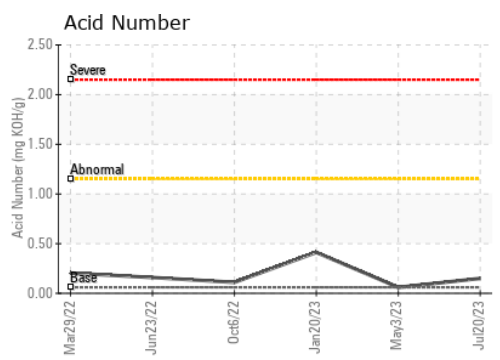
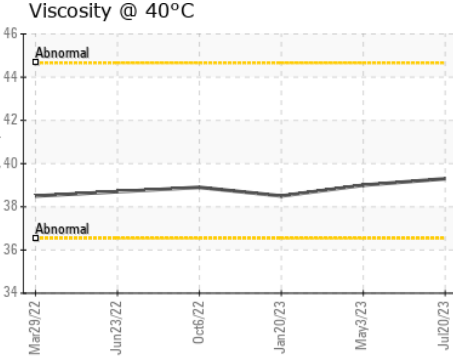
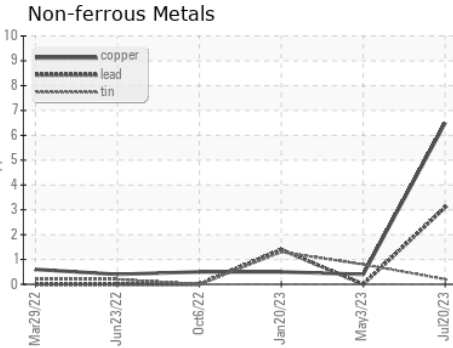
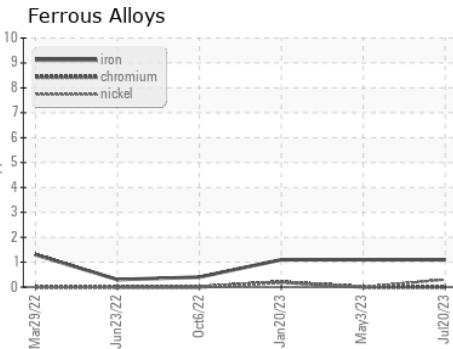


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		<b>39.3</b>	39.0	38.5

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



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05929723 **Received** : 21 Aug 2023  
**Lab Number** : **05929723** **Diagnosed** : 23 Aug 2023  
**Unique Number** : 10609670 **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)