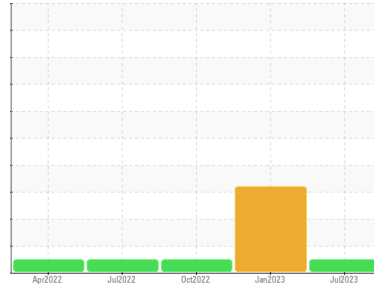




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**SULLAIR SULLUBE 32**  
 Machine Id  
**SULLAIR 80085 - TEXTRON AVIATION (S/N 200709290047)**  
 Component  
**Compressor**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All 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		<b>UCH05929699</b>	UCH05745314	UCH05662357
Sample Date	Client Info		<b>06 Jul 2023</b>	10 Jan 2023	03 Oct 2022
Machine Age	hrs	Client Info	<b>1010</b>	0	113717
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Changed
Sample Status			<b>NORMAL</b>	ATTENTION	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>&lt;1</b>	<1	0
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	<1	0
Lead	ppm	ASTM D5185m >25	<b>2</b>	1	0
Copper	ppm	ASTM D5185m >50	<b>16</b>	2	<1
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	2	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>&lt;1</b>	2	0
Barium	ppm	ASTM D5185m 745	<b>483</b>	731	263
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	<b>1</b>	<1	0
Calcium	ppm	ASTM D5185m 1	<b>4</b>	4	1
Phosphorus	ppm	ASTM D5185m 3	<b>3</b>	22	0
Zinc	ppm	ASTM D5185m	<b>14</b>	6	12
Sulfur	ppm	ASTM D5185m	<b>327</b>	440	353

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>0</b>	3	0
Sodium	ppm	ASTM D5185m	<b>58</b>	22	130
Potassium	ppm	ASTM D5185m >20	<b>4</b>	2	3

## FLUID DEGRADATION

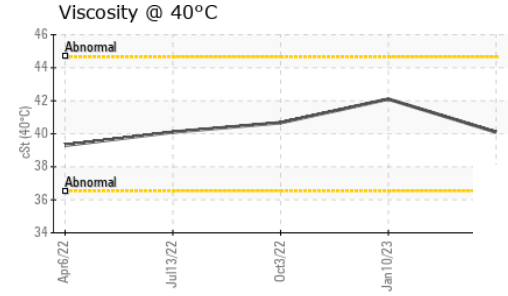
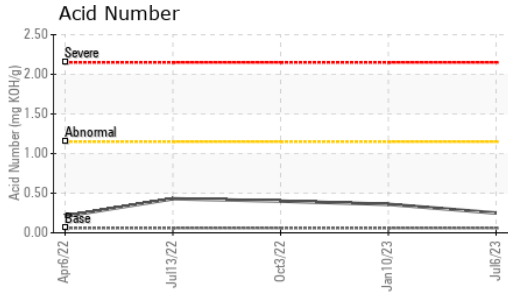
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.06	<b>0.25</b>	0.36	0.40

## 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>LIGHT</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	MODER	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>	▲ 0.2%	NEG
Free Water	scalar	*Visual	<b>NEG</b>	▲ 5.0	NEG

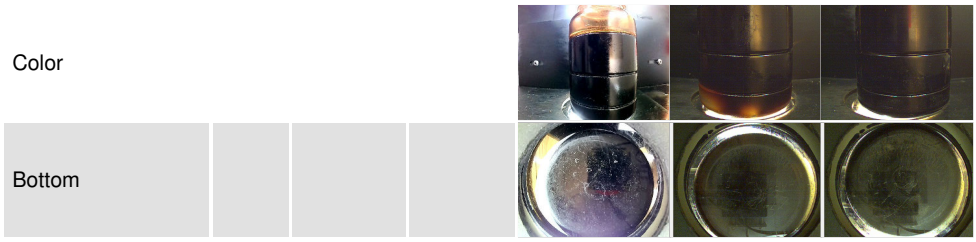


# OIL ANALYSIS REPORT

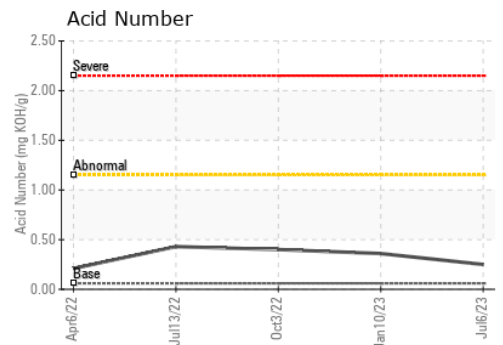
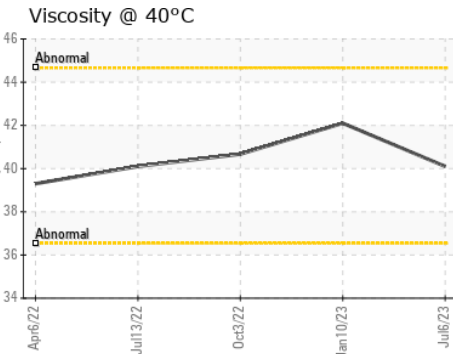
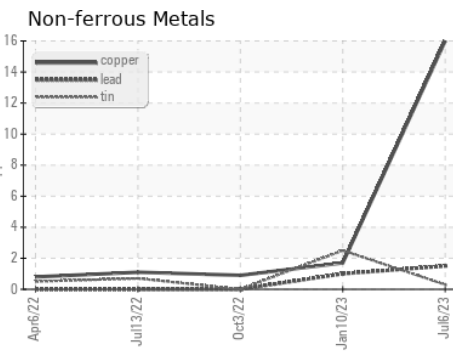
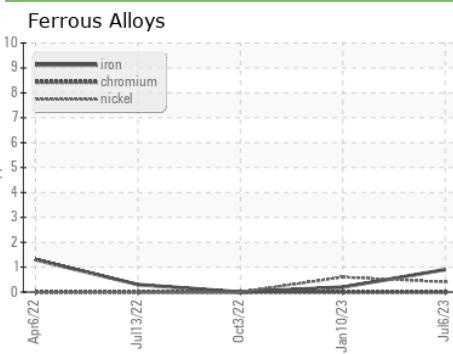


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		<b>40.1</b>	42.1	40.67

SAMPLE IMAGES		method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05929699 **Received** : 21 Aug 2023  
**Lab Number** : 05929699 **Diagnosed** : 23 Aug 2023  
**Unique Number** : 10609646 **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)