



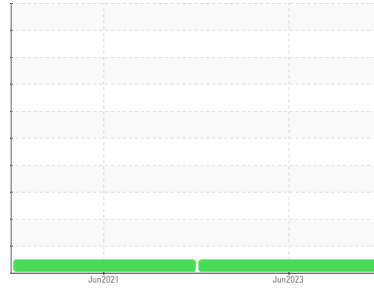
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**AIRLUBE COOLANT 32 [1383689]**  
 Machine Id  
**SULLAIR 201211150008 - APG POLYTECH**  
 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

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>UCH05904477</b>	UCH05325742	---
Sample Date	Client Info		<b>28 Jun 2023</b>	23 Jun 2021	---
Machine Age	hrs	Client Info	<b>54084</b>	48234	---
Oil Age	hrs	Client Info	<b>7822</b>	1972	---
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>26</b>	4	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	2	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m >25	<b>&lt;1</b>	4	---
Copper	ppm	ASTM D5185m >50	<b>33</b>	5	---
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	---
Antimony	ppm	ASTM D5185m	<b>---</b>	3	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	<b>0</b>	6	---
Barium	ppm	ASTM D5185m 1416	<b>183</b>	326	---
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 0	<b>7</b>	7	---
Calcium	ppm	ASTM D5185m 2	<b>4</b>	2	---
Phosphorus	ppm	ASTM D5185m 2	<b>3</b>	8	---
Zinc	ppm	ASTM D5185m 0	<b>51</b>	25	---
Sulfur	ppm	ASTM D5185m 570	<b>295</b>	241	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>2</b>	2	---
Sodium	ppm	ASTM D5185m	<b>51</b>	45	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	---

## FLUID DEGRADATION

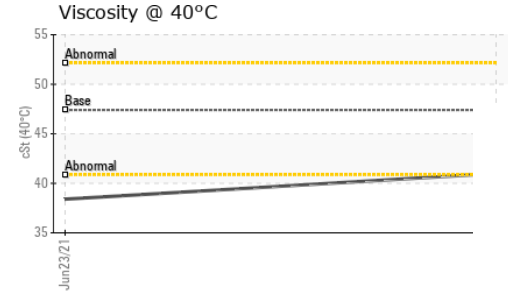
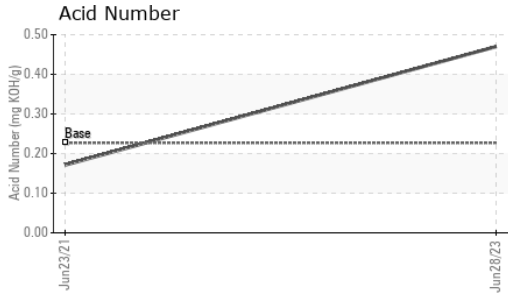
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.227	<b>0.47</b>	0.171	---

## VISUAL

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



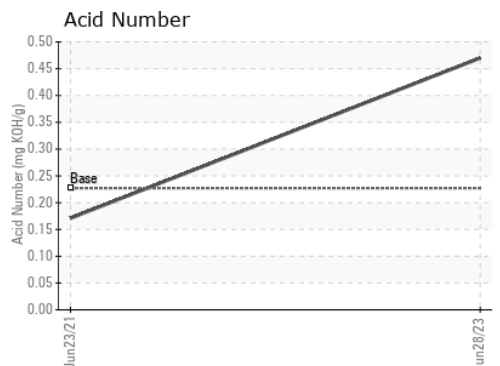
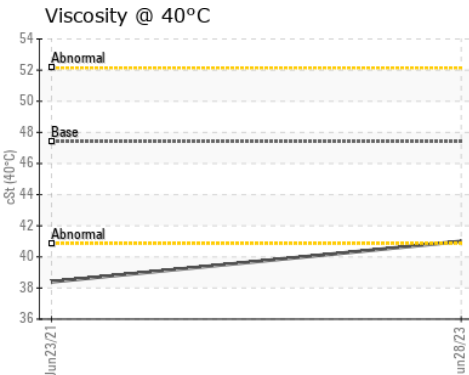
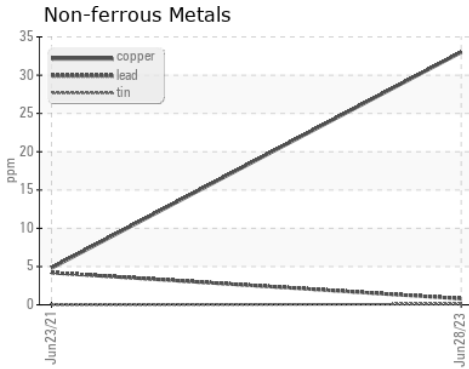
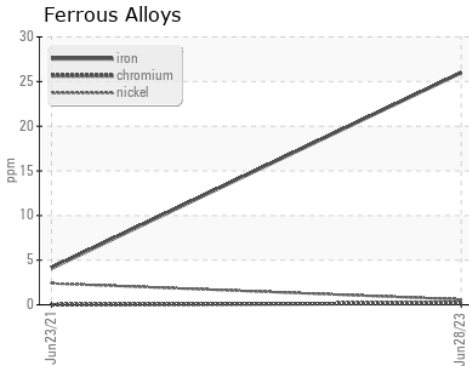
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	47.4	<b>41.0</b>	38.4	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					no image
Bottom					no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05904477 **Received** : 21 Jul 2023  
**Lab Number** : **05904477** **Diagnosed** : 24 Jul 2023  
**Unique Number** : 10565833 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

**AIR TECHNOLOGIES INC (CLE)**  
 6500 DAVIS INDUSTRIAL PARKWAY  
 CLEVELAND, OH  
 US 44139  
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 DPAES@AIRCOMPRESSORS.COM  
 T: (440)349-3900  
 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)