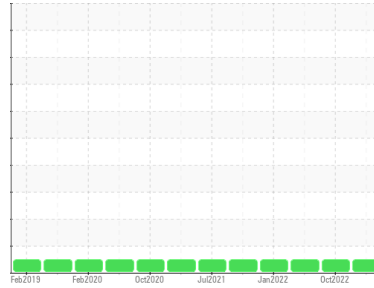




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**AT-2 AW 68 [1377808]**  
 Machine Id  
**ATLAS COPCO ARP481-673 - LUBRIZOL**  
 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>UCH05904473</b>	UCH05694115	UCH05556234
Sample Date	Client Info			<b>18 Jul 2023</b>	19 Oct 2022	18 May 2022
Machine Age	hrs	Client Info		<b>66534</b>	62862	59397
Oil Age	hrs	Client Info		<b>4827</b>	1755	9743
Oil Changed	Client Info			<b>Not Chngd</b>	Not Chngd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	<1
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Aluminum	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Lead	ppm	ASTM D5185m	>65	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>65	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185m		<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Barium	ppm	ASTM D5185m		<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>9</b>	4	0
Calcium	ppm	ASTM D5185m		<b>151</b>	110	57
Phosphorus	ppm	ASTM D5185m		<b>352</b>	325	209
Zinc	ppm	ASTM D5185m		<b>455</b>	403	253
Sulfur	ppm	ASTM D5185m		<b>2526</b>	4511	3558

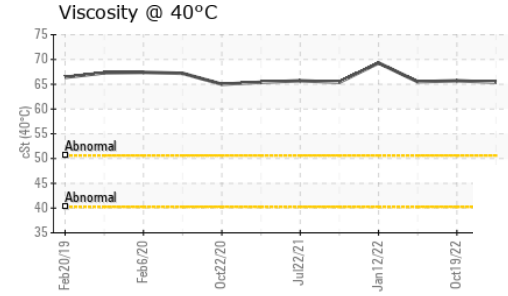
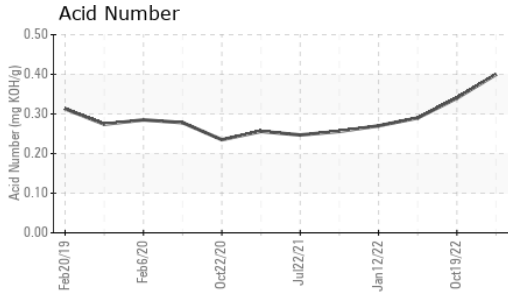
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<b>&lt;1</b>	<1	1
Sodium	ppm	ASTM D5185m		<b>0</b>	<1	0
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.40</b>	0.34	0.29

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
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>	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

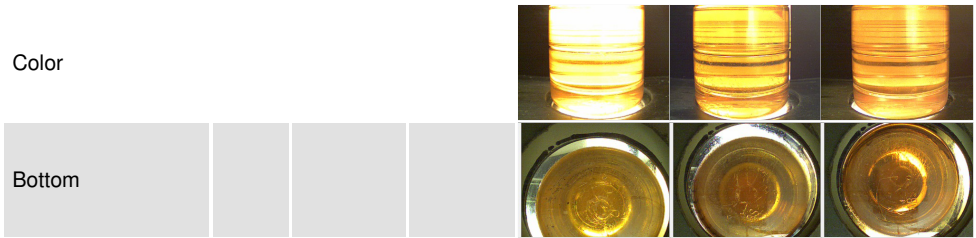


# OIL ANALYSIS REPORT

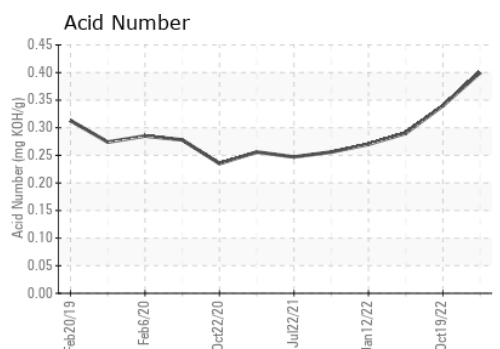
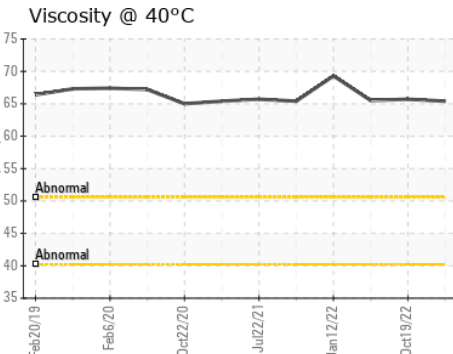
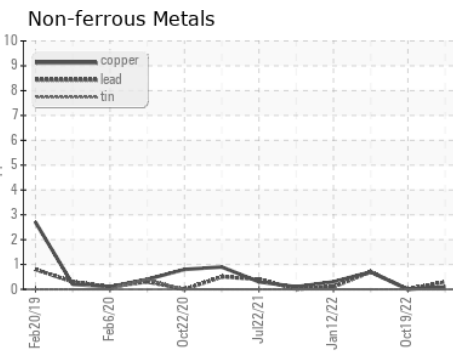
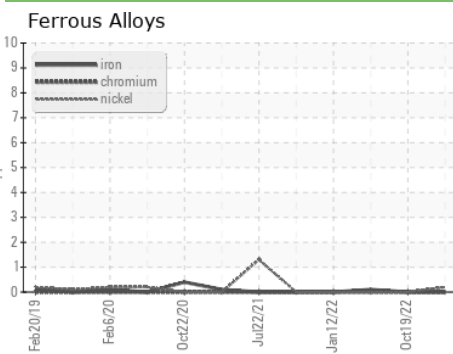


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		<b>65.4</b>	65.7	65.5

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



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05904473 **Received** : 21 Jul 2023  
**Lab Number** : 05904473 **Diagnosed** : 24 Jul 2023  
**Unique Number** : 10565829 **Diagnostician** : Doug Bogart  
**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)