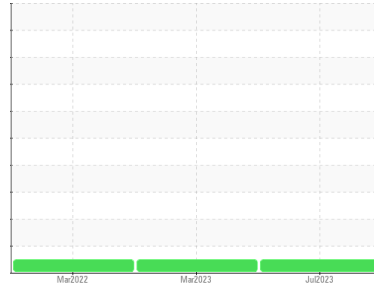




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**OMNILUBE FG 46 XL**  
 Machine Id  
**ATLAS COPCO API673227 - OCEAN SPRAY 1**  
 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>UCH05904483</b>	UCH05786315	UCH05515647
Sample Date	Client Info		<b>11 Jul 2023</b>	07 Mar 2023	17 Mar 2022
Machine Age	hrs	Client Info	<b>30331</b>	27265	19598
Oil Age	hrs	Client Info	<b>6331</b>	1850	3590
Oil Changed	Client Info		<b>Not Changed</b>	N/A	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

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

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	<b>0</b>	<1	0
Calcium	ppm	ASTM D5185m	<b>0</b>	<1	0
Phosphorus	ppm	ASTM D5185m 75	<b>6</b>	13	105
Zinc	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Sulfur	ppm	ASTM D5185m 1500	<b>878</b>	1078	264

## CONTAMINANTS

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

## FLUID DEGRADATION

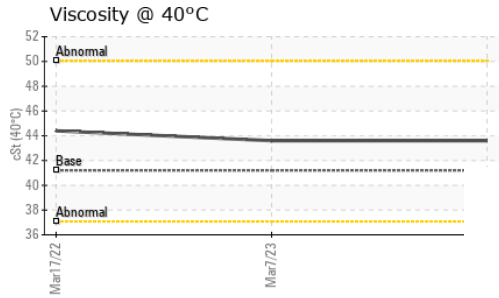
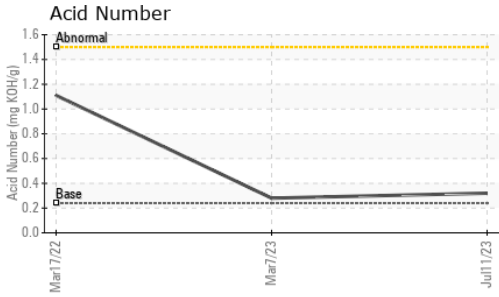
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.24	<b>0.32</b>	0.28	1.11

## VISUAL

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

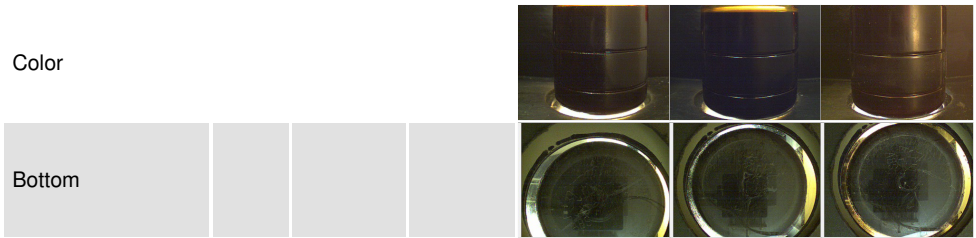


# OIL ANALYSIS REPORT

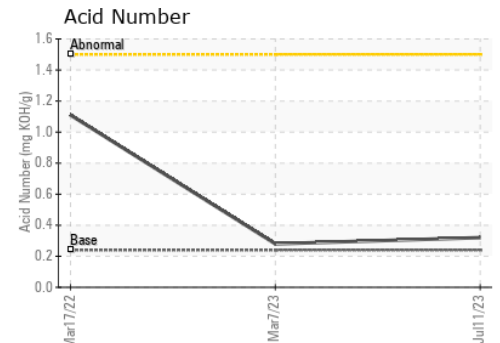
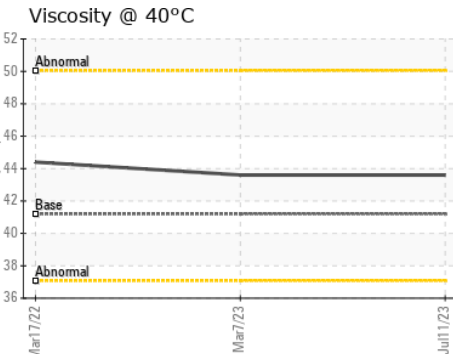
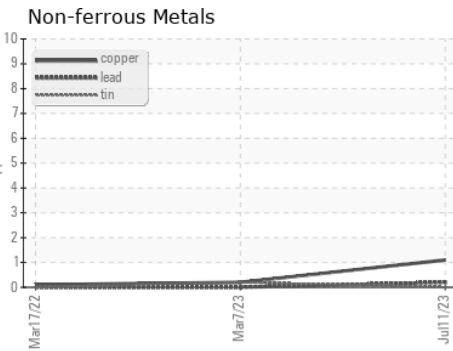
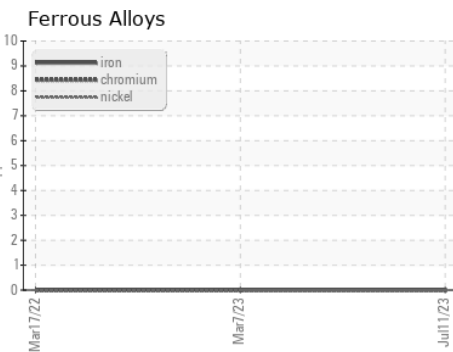


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	41.2	<b>43.6</b>	43.6	44.4

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05904483 **Received** : 21 Jul 2023  
**Lab Number** : **05904483** **Diagnosed** : 24 Jul 2023  
**Unique Number** : 10565839 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

**AIR TECHNOLOGIES INC (GR)**  
 160 84TH STREET SW SUITE 1  
 BYRON CENTER, MI  
 US 49315

Contact: STEPHANIE CLAYPOOL  
 stephanie.claypool@aircompressors.com

T:  
 F: (616)281-6737

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)