



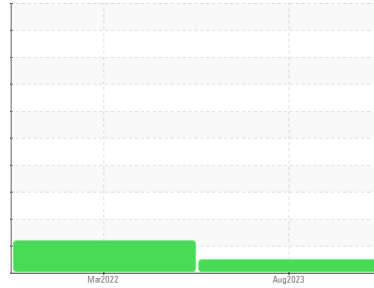
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**OMNILUBE FG 46 [1395724]**  
 Machine Id  
**ATLAS COPCO API612634 - SHEARERS MASSILLON DA**  
 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>UCH05962280</b>	UCH05500029	---
Sample Date	Client Info		<b>31 Aug 2023</b>	14 Mar 2022	---
Machine Age	hrs	Client Info	<b>53987</b>	45557	---
Oil Age	hrs	Client Info	<b>2000</b>	2107	---
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status			<b>NORMAL</b>	ATTENTION	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>0</b>	1	---
Chromium	ppm	ASTM D5185m >5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m >15	<b>0</b>	3	---
Lead	ppm	ASTM D5185m >65	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m >65	<b>&lt;1</b>	9	---
Tin	ppm	ASTM D5185m >10	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	1	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m	<b>0</b>	0	---
Calcium	ppm	ASTM D5185m	<b>2</b>	9	---
Phosphorus	ppm	ASTM D5185m 75	<b>0</b>	175	---
Zinc	ppm	ASTM D5185m	<b>0</b>	241	---
Sulfur	ppm	ASTM D5185m 1500	<b>324</b>	16881	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	<b>&lt;1</b>	<1	---
Sodium	ppm	ASTM D5185m	<b>2</b>	<1	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	---

## FLUID DEGRADATION

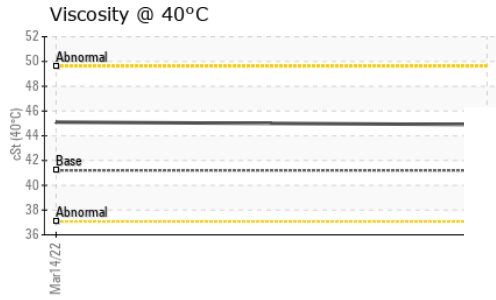
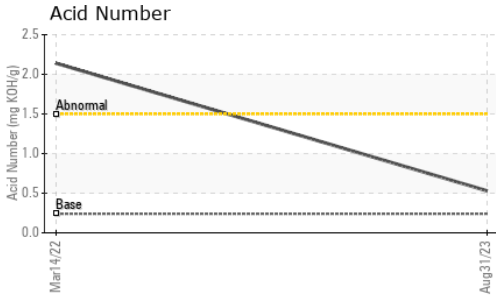
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.24	<b>0.53</b>	▲ 2.14	---

## VISUAL

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



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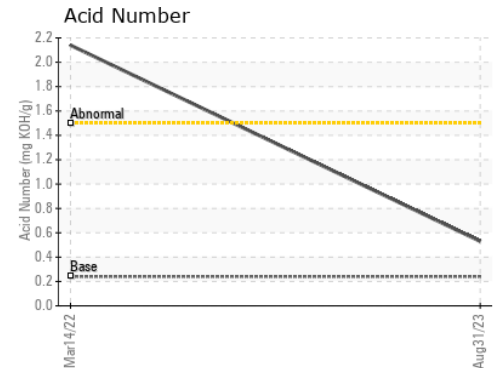
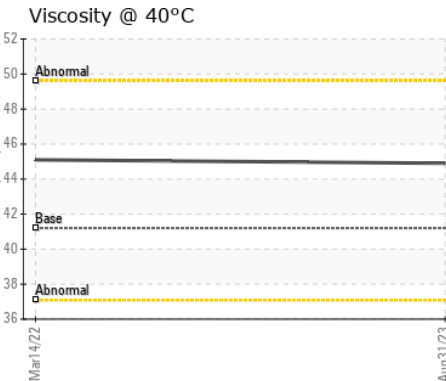
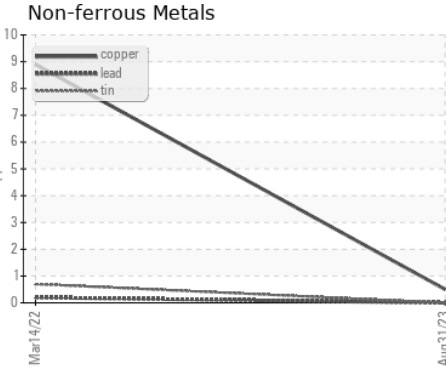
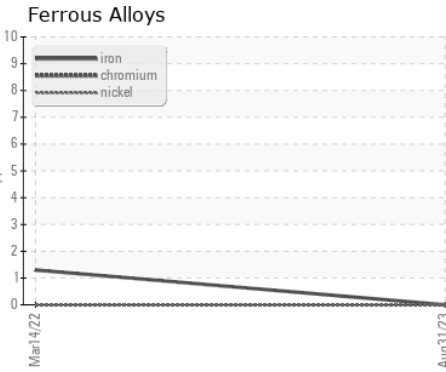


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	41.2	<b>44.9</b>	45.1	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05962280 **Received** : 27 Sep 2023  
**Lab Number** : 05962280 **Diagnosed** : 28 Sep 2023  
**Unique Number** : 10668831 **Diagnostician** : Don Baldrige  
**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)