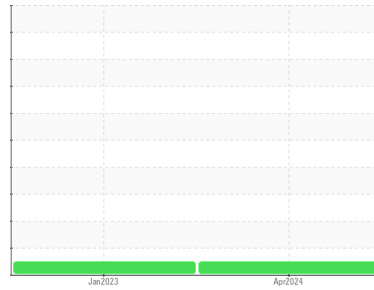




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**AIRLUBE 228 [141023]**

Machine Id

**ATLAS COPCO APF187-807 - YAMADA**

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>UCH06180249</b>	UCH05736254	---
Sample Date	Client Info			<b>03 Apr 2024</b>	03 Jan 2023	---
Machine Age	hrs	Client Info		<b>70272</b>	62412	---
Oil Age	hrs	Client Info		<b>2148</b>	2973	---
Oil Changed	Client Info			<b>Not Chngd</b>	Not Chngd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>2</b>	0	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>15	<b>3</b>	2	---
Lead	ppm	ASTM D5185m	>65	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>65	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---

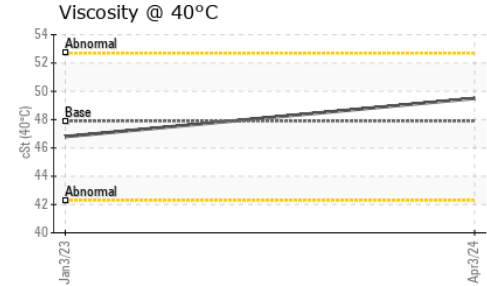
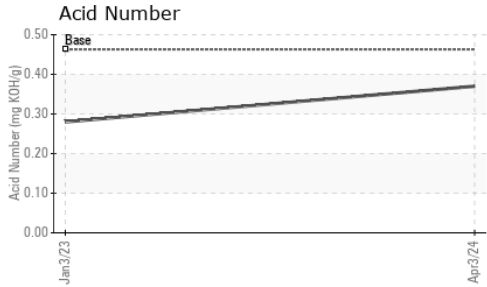
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1.5	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m	0.3	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	---
Phosphorus	ppm	ASTM D5185m	406	<b>121</b>	113	---
Zinc	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	---
Sulfur	ppm	ASTM D5185m	1283	<b>0</b>	826	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<b>&lt;1</b>	<1	---
Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
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	0.463	<b>0.37</b>	0.28	---



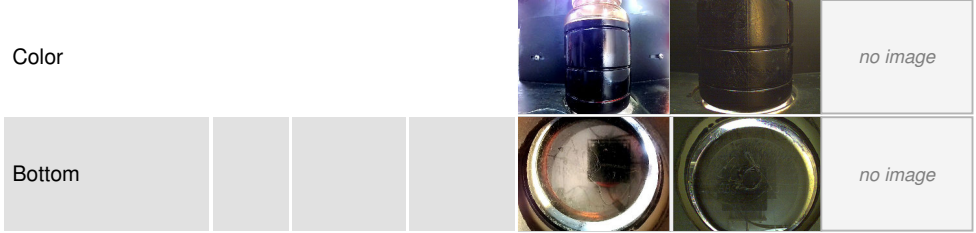
# OIL ANALYSIS REPORT



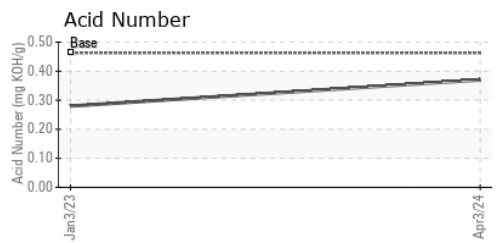
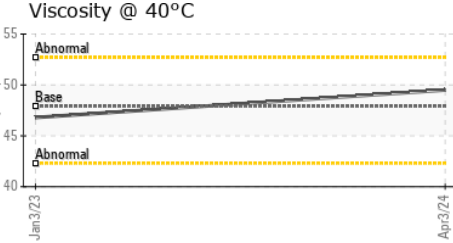
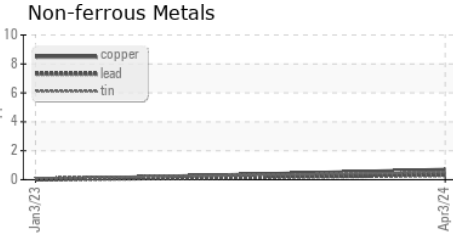
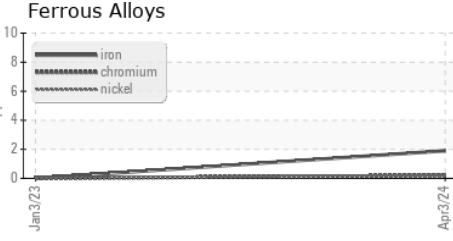
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	47.9	<b>49.5</b>	46.8	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06180249      **Received** : 15 May 2024  
**Lab Number** : **06180249**      **Tested** : 16 May 2024  
**Unique Number** : 11031575      **Diagnosed** : 17 May 2024 - Wes Davis  
**Test Package** : IND 2

**AIR TECHNOLOGIES INC (MID)**  
 400 WRIGHT AVE  
 MIDDLETOWN, OH  
 US 45044  
 Contact: KEITH HAYES  
 Keith.Hayes@aircompressors.com  
 T: (513)615-6378  
 F: (513)539-6040

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)