



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>ABNORMAL</b>

Area  
**PLUS 10 [1387209]**  
Machine Id  
**ATLAS COPCO AII471-984 - APTIV VIENNA**  
Component  
**Compressor**

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. 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

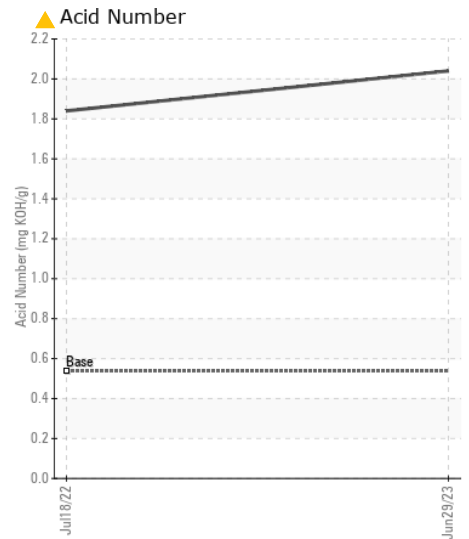
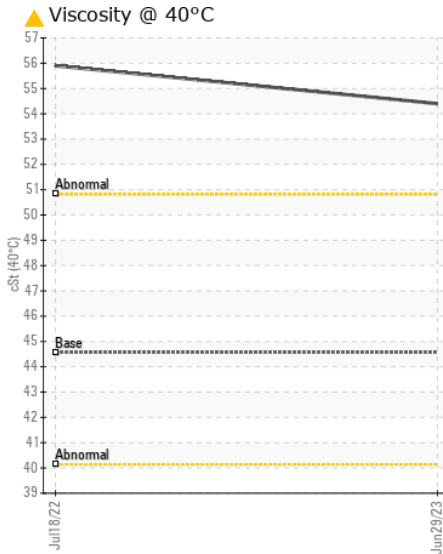
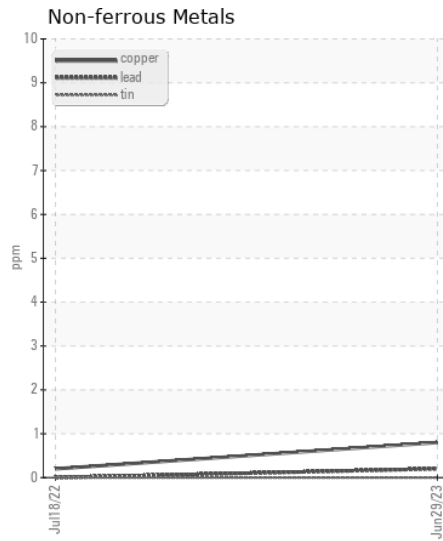
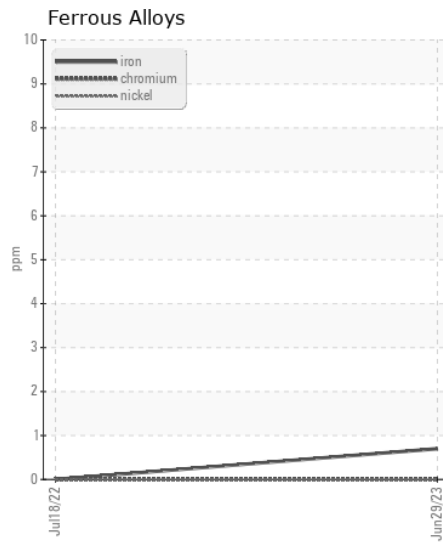
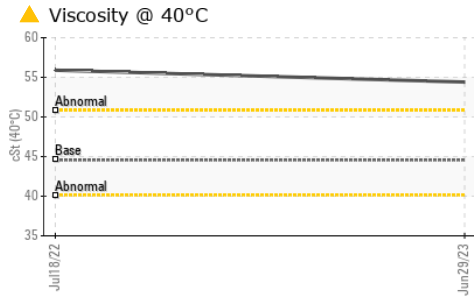
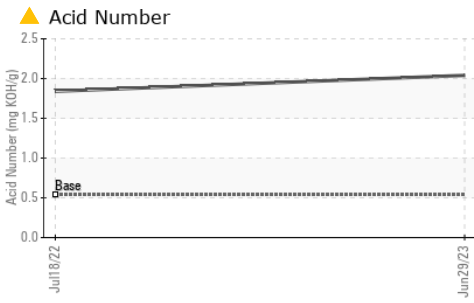
The oil viscosity is higher than normal. The AN level is at the top-end of the recommended limit.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UCH05904472</b>	UCH05611358	---
Sample Date		Client Info		<b>29 Jun 2023</b>	18 Jul 2022	---
Machine Age	hrs	Client Info		<b>137694</b>	129135	---
Oil Age	hrs	Client Info		<b>8000</b>	7998	---
Filter Age	hrs	Client Info		<b>4000</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	N/A	---
Filter Changed		Client Info		<b>Changed</b>	Not Chngd	---
Sample Status				<b>ABNORMAL</b>	ABNORMAL	---

Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	---
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>	0	---
Aluminum	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Lead	ppm	ASTM D5185m	>65	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>65	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

Silicon	ppm	ASTM D5185m	>35	<b>0</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
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	---

Sodium	ppm	ASTM D5185m		<b>0</b>	<1	---
Boron	ppm	ASTM D5185m	0.1	<b>0</b>	<1	---
Barium	ppm	ASTM D5185m	0.8	<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	0.9	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Calcium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Phosphorus	ppm	ASTM D5185m	409	<b>279</b>	● 3	---
Zinc	ppm	ASTM D5185m	0	<b>7</b>	0	---
Sulfur	ppm	ASTM D5185m	1290	<b>117</b>	● 0	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.537	▲ <b>2.04</b>	▲ 1.84	---
Visc @ 40°C	cSt	ASTM D445	44.56	▲ <b>54.4</b>	▲ 55.9	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05904472  
**Lab Number** : 05904472  
**Unique Number** : 10565828  
**Test Package** : IND 2

**Received** : 21 Jul 2023  
**Tested** : 24 Jul 2023  
**Diagnosed** : 24 Jul 2023 - Doug Bogart

**AIR TECHNOLOGIES INC (CLE)**  
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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)