



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area  
**NOT GIVEN [417657]**  
Machine Id  
**ATLAS COPCO ITJ521869 - FLIGHT SERV**  
Component  
**Compressor**

## RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

## WEAR

All component wear rates are normal.

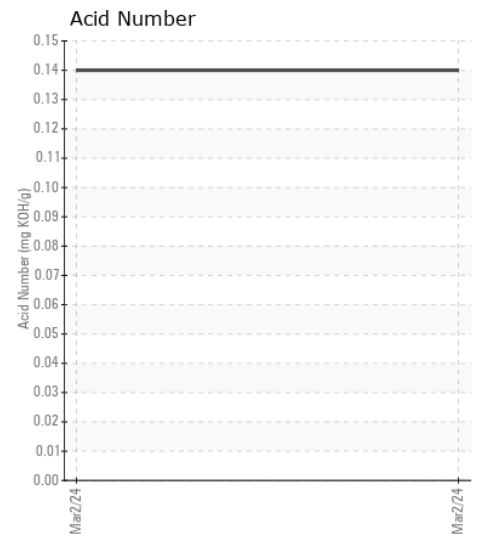
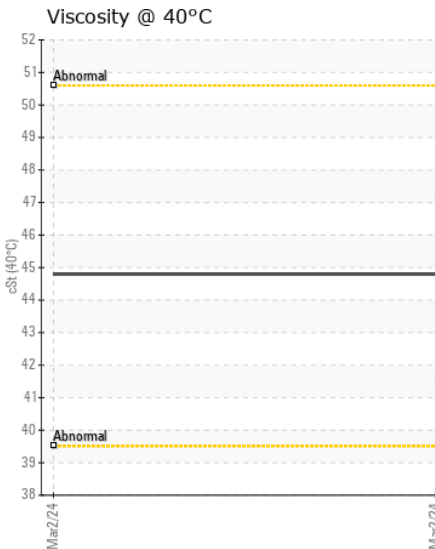
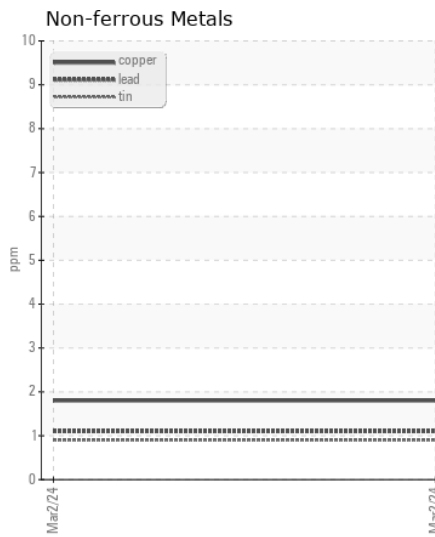
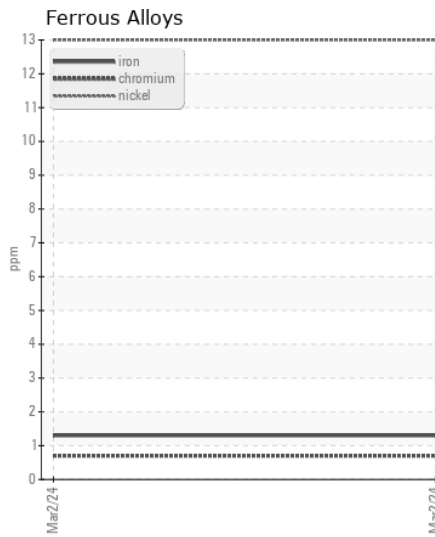
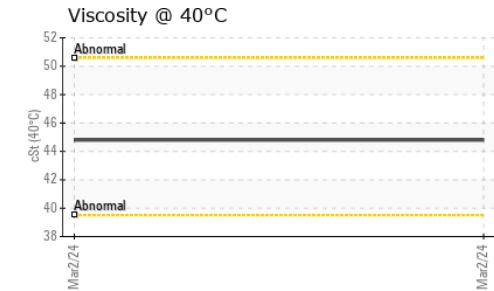
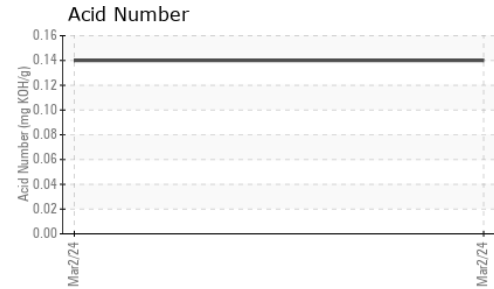
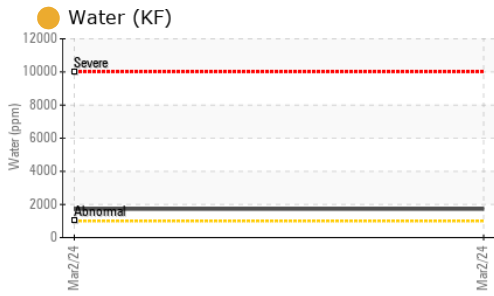
## CONTAMINATION

Excessive free water present. There is a light concentration of water present in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06106252	---	---
Sample Date		Client Info		02 Mar 2024	---	---
Machine Age	hrs	Client Info		190	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>50	1	---	---
Chromium	ppm	ASTM D5185m	>5	<1	---	---
Nickel	ppm	ASTM D5185m		13	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>15	7	---	---
Lead	ppm	ASTM D5185m	>65	1	---	---
Copper	ppm	ASTM D5185m	>65	2	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>35	4	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water	%	ASTM D6304	>0.1	0.172	---	---
ppm Water	ppm	ASTM D6304	>1000	1720	---	---
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	0.2%	---	---
Sodium	ppm	ASTM D5185m		0	---	---
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		5	---	---
Calcium	ppm	ASTM D5185m		0	---	---
Phosphorus	ppm	ASTM D5185m		85	---	---
Zinc	ppm	ASTM D5185m		46	---	---
Sulfur	ppm	ASTM D5185m		519	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.14	---	---
Visc @ 40°C	cSt	ASTM D445		44.8	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : UCH06106252

**Lab Number** : 06106252

**Unique Number** : 10909749

**Test Package** : IND 2 ( Additional Tests: KF )

**Received** : 01 Mar 2024

**Tested** : 05 Mar 2024

**Diagnosed** : 05 Mar 2024 - Jonathan Hester

**AIRMATIC COMPRESSOR SYSTEMS**

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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)