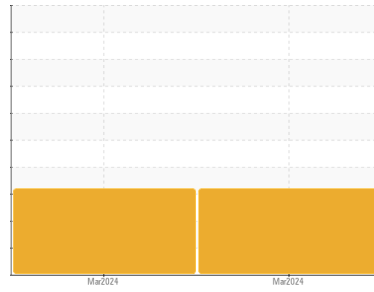




PROBLEM SUMMARY

Area
ULTRACLEAN
 Machine Id
ATLAS COPCO AII496648 - GENERAL DATA
 Component
Compressor

Sample Rating Trend

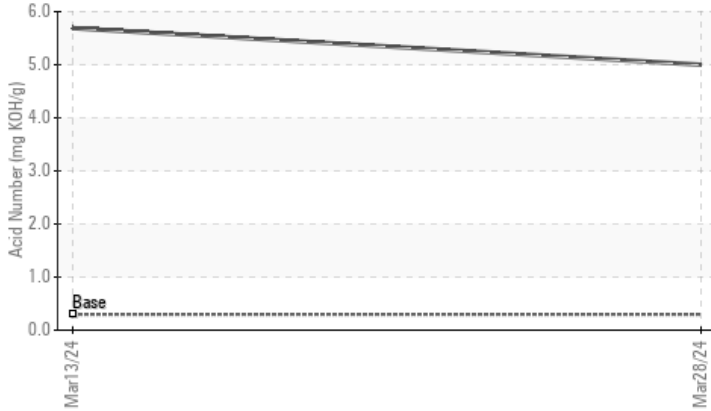


DEGRADATION



COMPONENT CONDITION SUMMARY

▲ Acid Number



RECOMMENDATION

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.296	▲ 5.00	▲ 5.69	---

Customer Id: UCAIRSID
 Sample No.: UCH06136503
 Lab Number: 06136503
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.
Flush System	---	---	?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

DEGRADATION



13 Mar 2024 Diag: Jonathan Hester

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is above the recommended limit. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

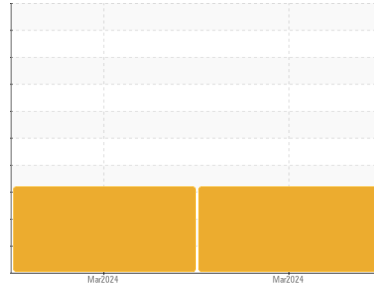
view report





OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Area

ULTRACLEAN

Machine Id

ATLAS COPCO AII496648 - GENERAL DATA

Component

Compressor

DIAGNOSIS

▲ Recommendation

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

▲ Fluid Condition

The AN level is above the recommended limit. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCH06136503	UCH06129483	---
Sample Date	Client Info		28 Mar 2024	13 Mar 2024	---
Machine Age	hrs	Client Info	22172	0	---
Oil Age	hrs	Client Info	0	200	---
Oil Changed	Client Info		Not Changed	N/A	---
Sample Status			SEVERE	SEVERE	---

CONTAMINATION

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

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	---
Barium	ppm	ASTM D5185m	0	<1	---
Molybdenum	ppm	ASTM D5185m	0	<1	---
Manganese	ppm	ASTM D5185m	<1	<1	---
Magnesium	ppm	ASTM D5185m	0	1	---
Calcium	ppm	ASTM D5185m	0	3	---
Phosphorus	ppm	ASTM D5185m 287	34	73	---
Zinc	ppm	ASTM D5185m	11	23	---
Sulfur	ppm	ASTM D5185m 270	87	0	---

CONTAMINANTS

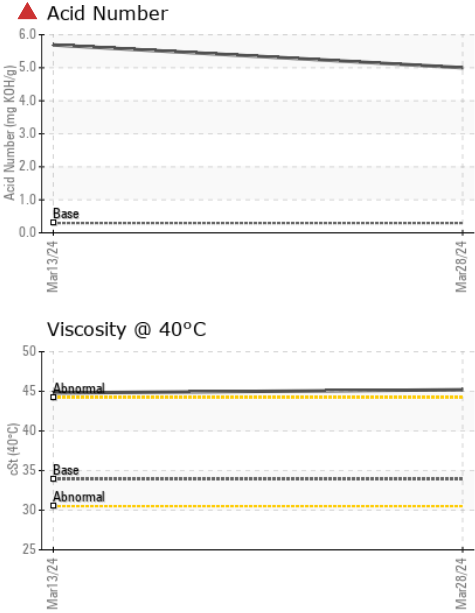
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	1	3	---
Sodium	ppm	ASTM D5185m	7	2	---
Potassium	ppm	ASTM D5185m >20	0	2	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.296	▲ 5.00	▲ 5.69	---



OIL ANALYSIS REPORT



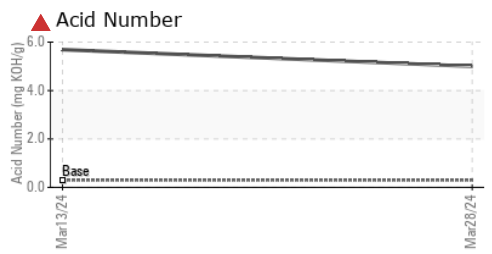
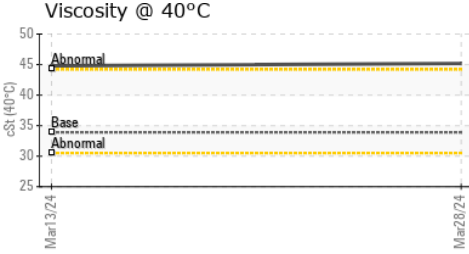
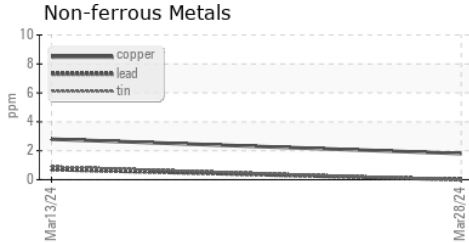
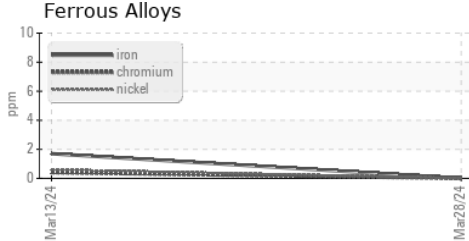
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	33.9	45.2	44.8	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06136503 **Received** : 02 Apr 2024
Lab Number : **06136503** **Tested** : 03 Apr 2024
Unique Number : 10955968 **Diagnosed** : 04 Apr 2024 - Don Baldrige
Test Package : IND 2

AIR HANDLING EQUIPMENT INC
 1389 RIVERSIDE DR
 SIDNEY, OH
 US 45365
 Contact: ANGIE ROSENBECK
 angie@ahequip.net
 T: (937)658-6266
 F: (937)492-3147

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)