



# PROBLEM SUMMARY

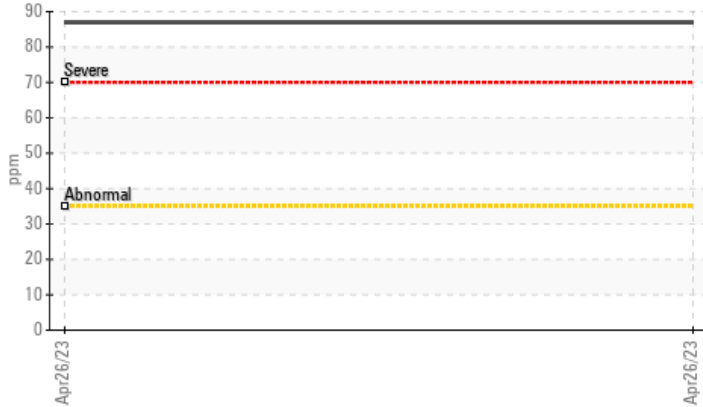
Area  
**AIRLUBE 228 [1375568]**  
 Machine Id  
**ATLAS COPCO API668-768 - AUTOCAM 4060**  
 Component  
**Compressor**

Sample Rating Trend



## COMPONENT CONDITION SUMMARY

▲ Silicon (ppm)



## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Silicon	ppm	ASTM D5185m	>35	▲ 87	---	---

Customer Id: UCAIRBYR  
 Sample No.: UCH05843434  
 Lab Number: 05843434  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
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To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



**DIRT**



Area  
**AIRLUBE 228 [1375568]**  
 Machine Id  
**ATLAS COPCO API668-768 - AUTOCAM 4060**  
 Component  
**Compressor**

## DIAGNOSIS

### ▲ 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

Elemental level of silicon (Si) above normal indicating ingress of seal material.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	<b>UCH05843434</b>	---	---
Sample Date	Client Info	<b>26 Apr 2023</b>	---	---
Machine Age	hrs	Client Info	<b>65719</b>	---
Oil Age	hrs	Client Info	<b>0</b>	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

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

## ADDITIVES

method	limit/base	current	history 1	history 2		
Boron	ppm	ASTM D5185m	1.5	<b>0</b>	---	---
Barium	ppm	ASTM D5185m	0	<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m	0.3	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m	0	<b>0</b>	---	---
Calcium	ppm	ASTM D5185m	0	<b>0</b>	---	---
Phosphorus	ppm	ASTM D5185m	406	<b>718</b>	---	---
Zinc	ppm	ASTM D5185m	0	<b>17</b>	---	---
Sulfur	ppm	ASTM D5185m	1283	<b>1389</b>	---	---

## CONTAMINANTS

method	limit/base	current	history 1	history 2		
Silicon	ppm	ASTM D5185m	>35	<b>▲ 87</b>	---	---
Sodium	ppm	ASTM D5185m		<b>0</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---

## FLUID DEGRADATION

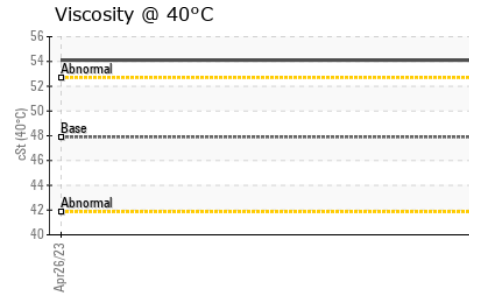
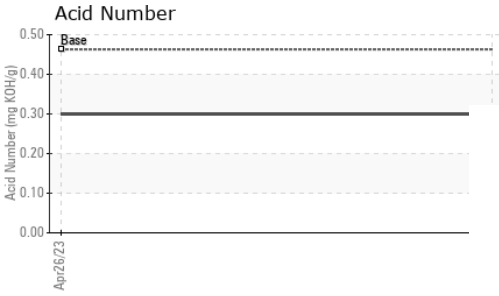
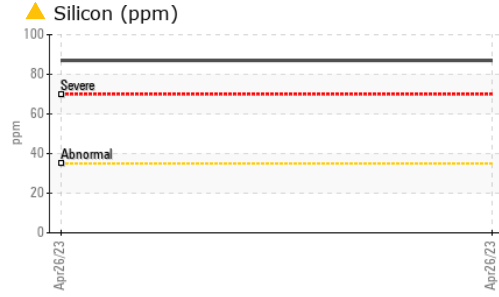
method	limit/base	current	history 1	history 2		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.463	<b>0.30</b>	---	---

## VISUAL

method	limit/base	current	history 1	history 2		
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	---	---
Free Water	scalar	*Visual		<b>NEG</b>	---	---



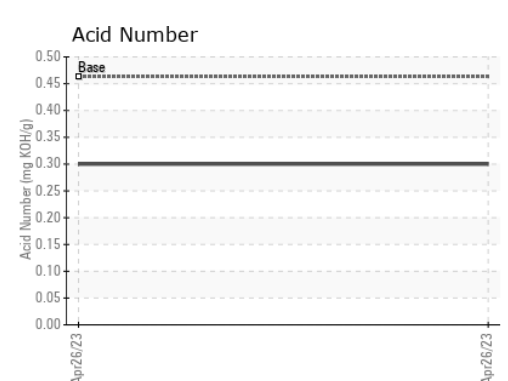
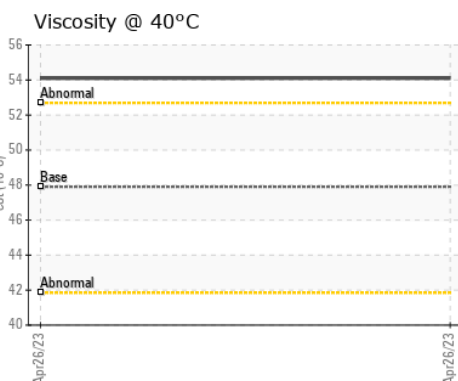
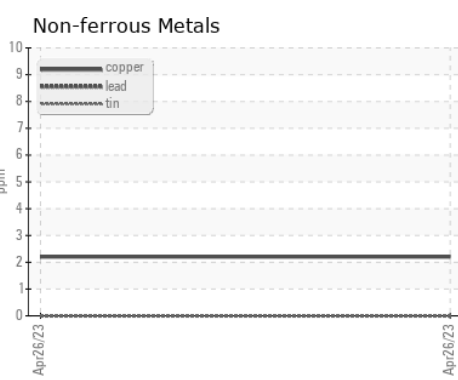
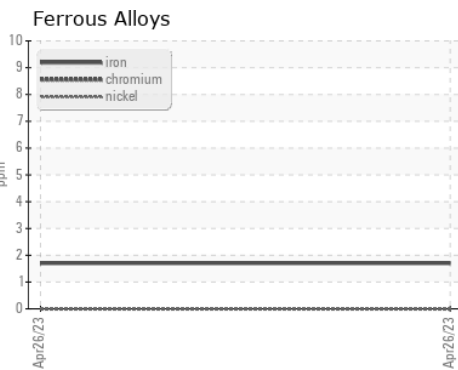
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	47.9	<b>54.1</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05843434    **Received** : 10 May 2023  
**Lab Number** : 05843434    **Diagnosed** : 12 May 2023  
**Unique Number** : 10467541    **Diagnostician** : Angela Borella  
**Test Package** : IND 2

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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)