



# PROBLEM SUMMARY

Area  
**AIRLUBE 228 [1381214]**  
 Machine Id  
**ATLAS COPCO API293684 - SPARTAN FIRE PLANT 11**  
 Component  
**Compressor**

Sample Rating Trend



**VISUAL METAL**

## COMPONENT CONDITION SUMMARY

No relevant graphs to display

### RECOMMENDATION

We recommend an early resample to monitor this condition.

### PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
White Metal	scalar	*Visual	NONE	<b>▲ MODER</b>	---	---

Customer Id: UCAIRBYR  
 Sample No.: UCH05843403  
 Lab Number: 05843403  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Angela Borella +1 800-237-1369  
[angela.borella@wearcheckusa.com](mailto:angela.borella@wearcheckusa.com)

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
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

Area  
**AIRLUBE 228 [1381214]**  
 Machine Id  
**ATLAS COPCO API293684 - SPARTAN FIRE PLANT 11**  
 Component  
**Compressor**



## DIAGNOSIS

### Recommendation

We recommend an early resample to monitor this condition.

### Wear

Moderate concentration of visible metal present. 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	history 1	history 2
Sample Number	Client Info	<b>UCH05843403</b>	---	---
Sample Date	Client Info	<b>03 May 2023</b>	---	---
Machine Age	hrs Client Info	<b>23897</b>	---	---
Oil Age	hrs Client Info	<b>237</b>	---	---
Oil Changed	Client Info	<b>Not Changed</b>	---	---
Sample Status		<b>ATTENTION</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>&lt;1</b>	---	---
Magnesium ppm ASTM D5185m	0	<b>&lt;1</b>	---	---
Calcium ppm ASTM D5185m	0	<b>0</b>	---	---
Phosphorus ppm ASTM D5185m	406	<b>238</b>	---	---
Zinc ppm ASTM D5185m	0	<b>120</b>	---	---
Sulfur ppm ASTM D5185m	1283	<b>373</b>	---	---

## CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon ppm ASTM D5185m	>35	<b>1</b>	---	---
Sodium ppm ASTM D5185m		<b>4</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>&lt;1</b>	---	---

## FLUID DEGRADATION

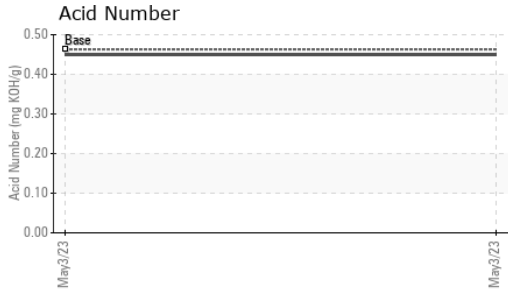
method	limit/base	current	history 1	history 2
Acid Number (AN) mg KOH/g ASTM D8045	0.463	<b>0.45</b>	---	---

## VISUAL

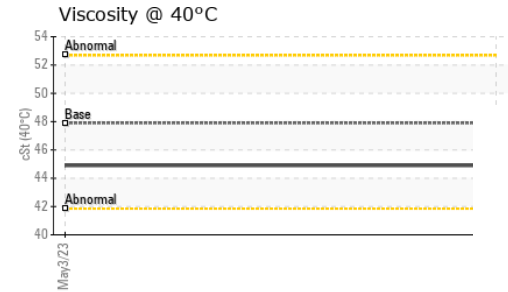
method	limit/base	current	history 1	history 2
White Metal scalar *Visual	NONE	<b>▲ MODER</b>	---	---
Yellow Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Precipitate scalar *Visual	NONE	<b>NONE</b>	---	---
Silt scalar *Visual	NONE	<b>NONE</b>	---	---
Debris scalar *Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt 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



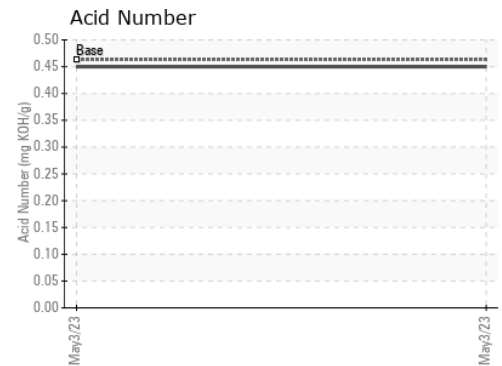
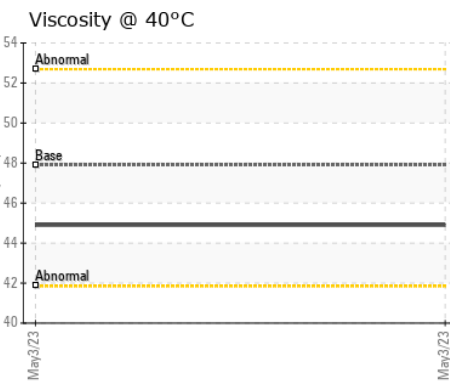
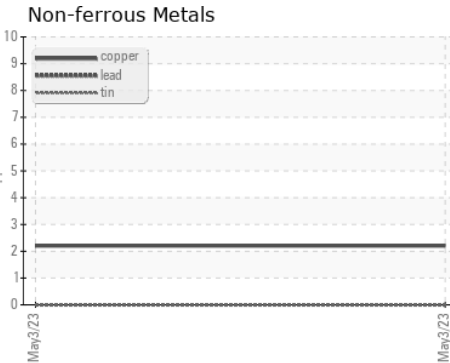
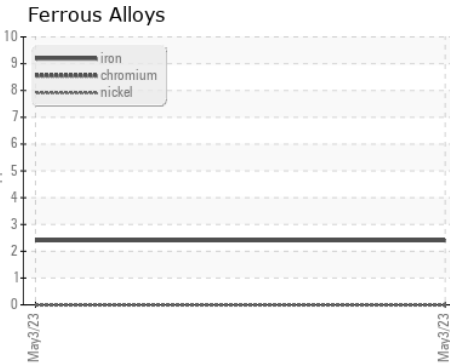
FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	47.9	44.9	---



SAMPLE IMAGES	method	limit/base	current	history 1	history 2
---------------	--------	------------	---------	-----------	-----------

Color				no image	no image
Bottom				no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05843403  
**Lab Number** : 05843403  
**Unique Number** : 10467510  
**Test Package** : IND 2

**AIR TECHNOLOGIES INC (GR)**  
 160 84TH STREET SW SUITE 1  
 BYRON CENTER, MI  
 US 49315  
 Contact: STEPHANIE CLAYPOOL  
 stephanie.claypool@aircompressors.com  
 T:  
 F: (616)281-6737

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)