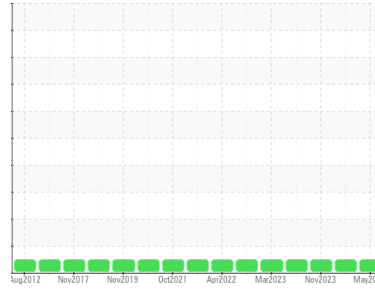




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**AIRLUBE 268 [CSA0000224]**

Machine Id

**ATLAS COPCO 12AH-BLO-502A - NRG SEWARD (S/N AIF117006)**

Component

**Compressor**

### DIAGNOSIS

#### Recommendation

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

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCH06197729</b>	UCH06097829	UCH06016587
Sample Date	Client Info		<b>24 May 2024</b>	13 Feb 2024	02 Nov 2023
Machine Age	hrs	Client Info	<b>102357</b>	100191	98647
Oil Age	hrs	Client Info	<b>0</b>	0	2244
Oil Changed	Client Info		<b>Changed</b>	N/A	Not Changd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### CONTAMINATION

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

### WEAR METALS

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

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.6	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 0.1	<b>0</b>	5	<1
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m 0.4	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m 0	<b>0</b>	0	<1
Calcium	ppm	ASTM D5185m 0	<b>0</b>	0	<1
Phosphorus	ppm	ASTM D5185m 337	<b>264</b>	234	272
Zinc	ppm	ASTM D5185m 0.1	<b>0</b>	2	0
Sulfur	ppm	ASTM D5185m 1096	<b>1049</b>	1250	1228

### CONTAMINANTS

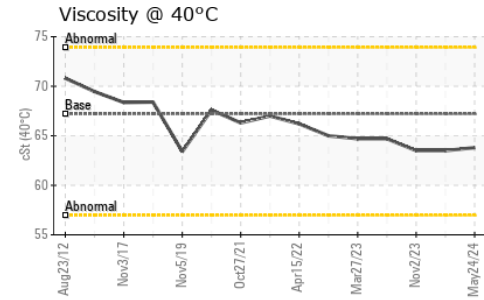
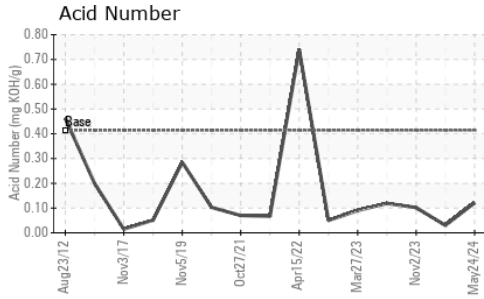
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	<b>0</b>	1	<1
Sodium	ppm	ASTM D5185m	<b>0</b>	0	1
Potassium	ppm	ASTM D5185m >20	<b>0</b>	<1	1

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.414	<b>0.121</b>	0.03	0.102



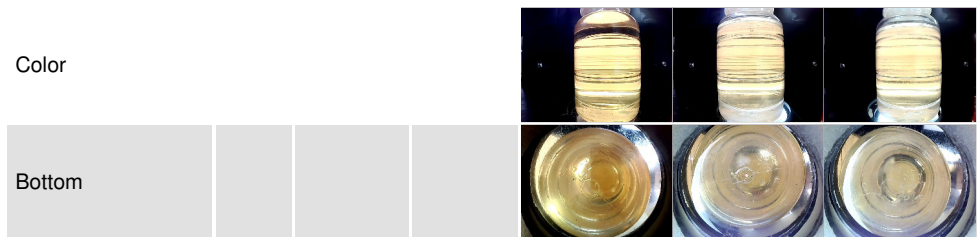
# OIL ANALYSIS REPORT



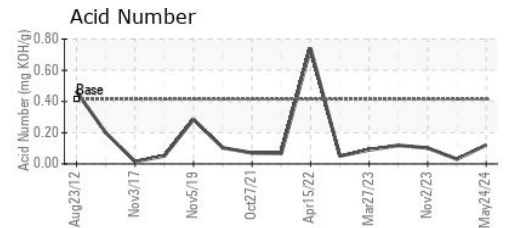
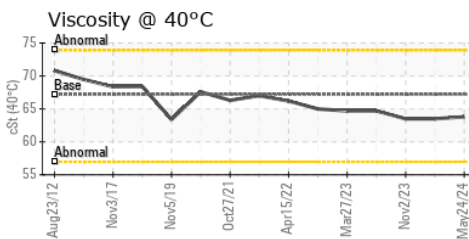
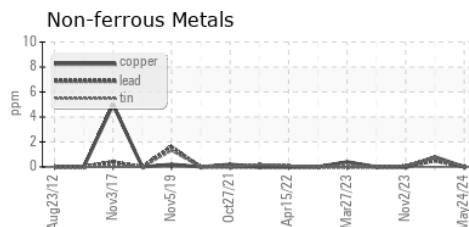
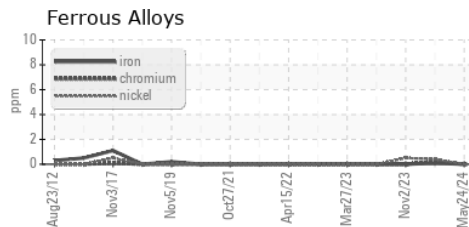
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT
Sand/Dirt	scalar	*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
Free Water	scalar	*Visual		<b>NEG</b>	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.21	<b>63.8</b>	63.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06197729  
**Lab Number** : **06197729**  
**Unique Number** : 11059852  
**Test Package** : IND 2

**Received** : 03 Jun 2024  
**Tested** : 05 Jun 2024  
**Diagnosed** : 05 Jun 2024 - Wes Davis

**AIR TECHNOLOGIES INC (PIT)**  
 310 PLUM INDUSTRIAL CT  
 PITTSBURGH, PA  
 US 15239

Contact: MIKE STRAZZERA  
 mike.strazzera@aircompressors.com

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)

T: (724)327-2818

F: (412)788-4799