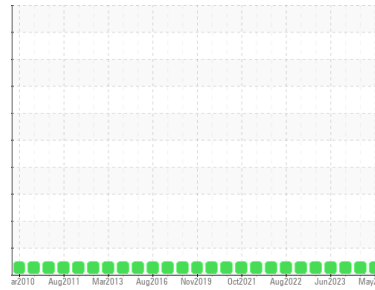




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**AIRLUBE 268 [CSA0000224]**

Machine Id

**ATLAS COPCO 12AH-BLO-500A - NRG SEWARD (S/N AIF077494)**

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>UCH06197731</b>	UCH06097830	UCH06016593
Sample Date	Client Info		<b>24 May 2024</b>	13 Feb 2024	07 Nov 2023
Machine Age	hrs	Client Info	<b>126182</b>	124030	122479
Oil Age	hrs	Client Info	<b>0</b>	0	0
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>	0
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1
Nickel	ppm	ASTM D5185m		<b>0</b>	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1
Aluminum	ppm	ASTM D5185m	>15	<b>0</b>	<1
Lead	ppm	ASTM D5185m	>65	<b>0</b>	<1
Copper	ppm	ASTM D5185m	>65	<b>0</b>	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.6	<b>0</b>	0
Barium	ppm	ASTM D5185m	0.1	<b>0</b>	5
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1
Manganese	ppm	ASTM D5185m	0.4	<b>0</b>	<1
Magnesium	ppm	ASTM D5185m	0	<b>0</b>	0
Calcium	ppm	ASTM D5185m	0	<b>0</b>	0
Phosphorus	ppm	ASTM D5185m	337	<b>262</b>	347
Zinc	ppm	ASTM D5185m	0.1	<b>0</b>	2
Sulfur	ppm	ASTM D5185m	1096	<b>1052</b>	1793

### CONTAMINANTS

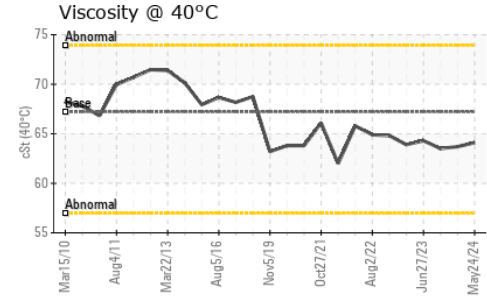
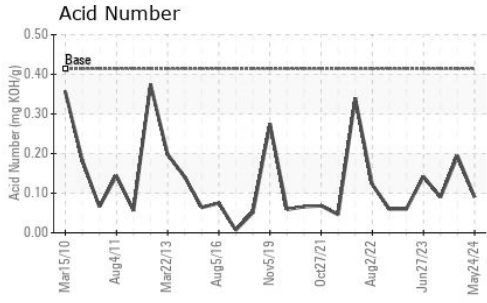
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<b>0</b>	1
Sodium	ppm	ASTM D5185m		<b>0</b>	0
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.414	<b>0.09</b>	0.194



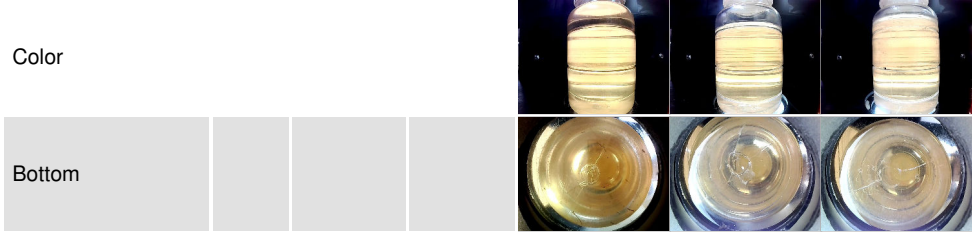
# OIL ANALYSIS REPORT



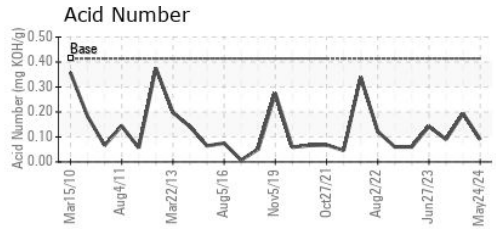
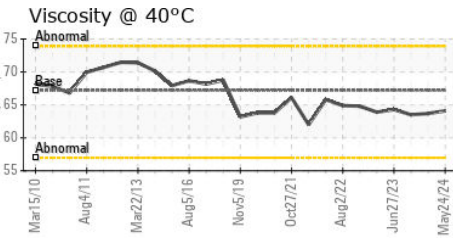
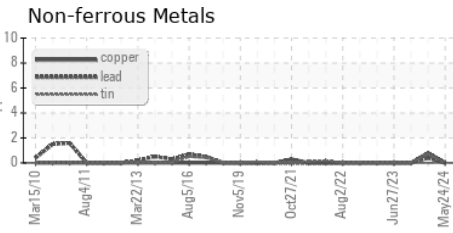
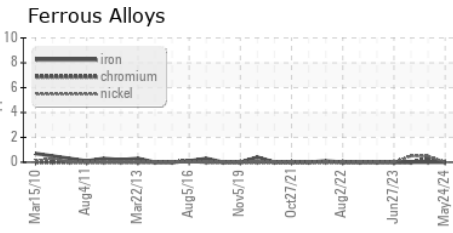
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	LIGHT
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	67.21	<b>64.1</b>	63.7	63.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06197731      **Received** : 03 Jun 2024  
**Lab Number** : 06197731      **Tested** : 05 Jun 2024  
**Unique Number** : 11059854      **Diagnosed** : 05 Jun 2024 - Wes Davis  
**Test Package** : IND 2

**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)