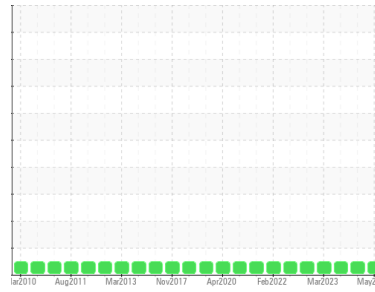




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

[CSA0000224]

Machine Id

ATLAS COPCO 12AH-BLO-500B - NRG SEWARD (S/N AIF077474)

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>UCH06197733</b>	UCH06097819	UCH06016589
Sample Date	Client Info		<b>24 May 2024</b>	13 Feb 2024	08 Nov 2023
Machine Age	hrs	Client Info	<b>126324</b>	124127	122594
Oil Age	hrs	Client Info	<b>0</b>	0	2303
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	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>	0	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	0
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>260</b>	196	270
Zinc	ppm	ASTM D5185m 0.1	<b>0</b>	2	0
Sulfur	ppm	ASTM D5185m 1096	<b>1014</b>	985	1217

## CONTAMINANTS

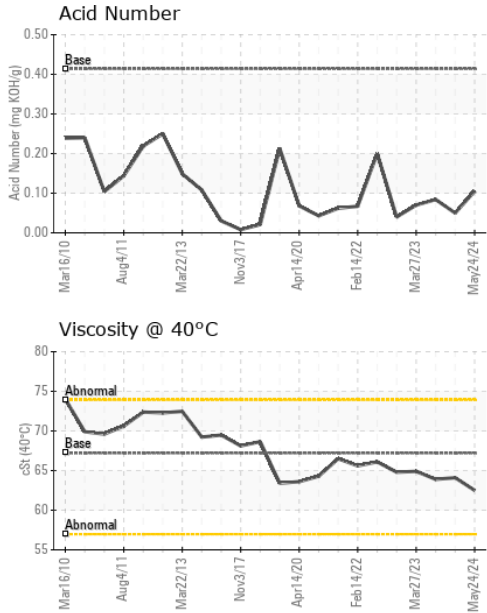
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	<b>0</b>	<1	<1
Sodium	ppm	ASTM D5185m	<b>0</b>	0	<1
Potassium	ppm	ASTM D5185m >20	<b>0</b>	<1	<1

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.414	<b>0.105</b>	0.05	0.084



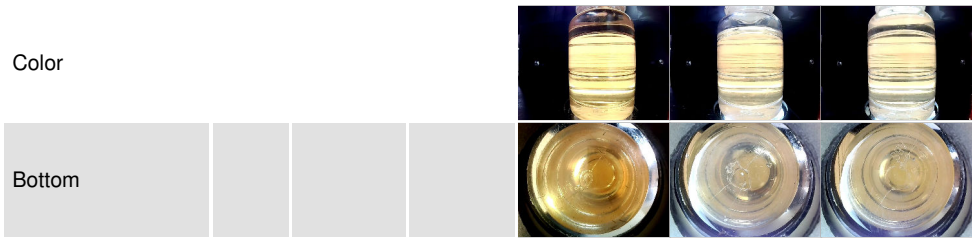
# OIL ANALYSIS REPORT



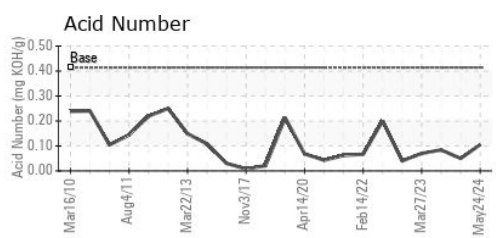
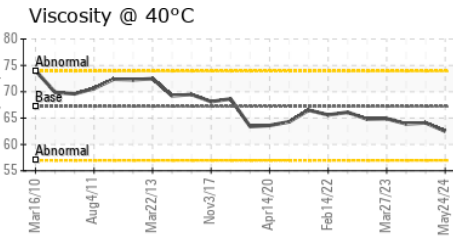
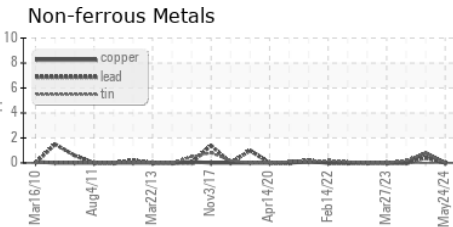
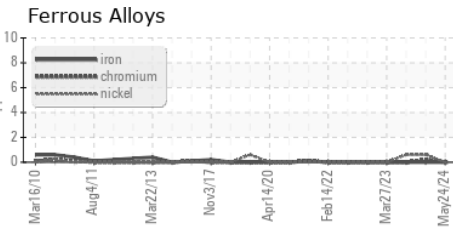
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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>62.5</b>	64.1	63.9

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06197733      **Received** : 03 Jun 2024  
**Lab Number** : **06197733**      **Tested** : 05 Jun 2024  
**Unique Number** : 11059856      **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  
 T: (724)327-2818  
 F: (412)788-4799

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)