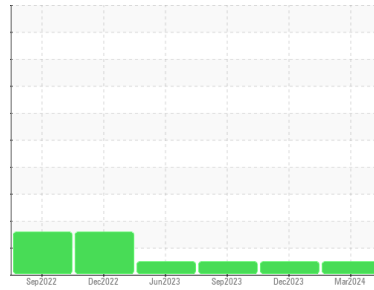




# OIL ANALYSIS REPORT

Area  
**VISION 8000**  
 Machine Id  
**HODGE 2201015023**  
 Component  
**Compressor**

Sample Rating Trend



**NORMAL**

## 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>UHC0001061</b>	UHC0000661	UHC0000762
Sample Date	Client Info		<b>18 Mar 2024</b>	04 Dec 2023	19 Sep 2023
Machine Age	hrs	Client Info	<b>6051</b>	4370	4184
Oil Age	hrs	Client Info	<b>1018</b>	1872	3686
Oil Changed	Client Info		<b>Not Changed</b>	Changed	Not Changed
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>3</b>	<1	0
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>1</b>	1	0
Lead	ppm	ASTM D5185m >25	<b>1</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>1</b>	<1	0
Tin	ppm	ASTM D5185m >15	<b>1</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m	<b>2</b>	0	0
Calcium	ppm	ASTM D5185m	<b>4</b>	0	<1
Phosphorus	ppm	ASTM D5185m	<b>431</b>	318	300
Zinc	ppm	ASTM D5185m	<b>62</b>	57	46
Sulfur	ppm	ASTM D5185m	<b>1065</b>	893	775

## CONTAMINANTS

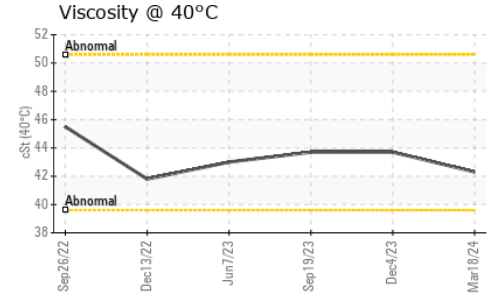
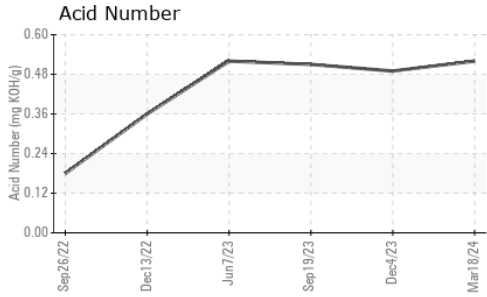
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>1</b>	6	4
Sodium	ppm	ASTM D5185m	<b>7</b>	0	2
Potassium	ppm	ASTM D5185m >20	<b>2</b>	1	2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.52</b>	0.49	0.51



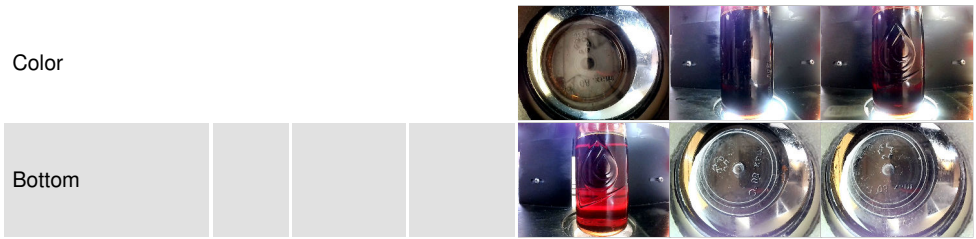
# OIL ANALYSIS REPORT



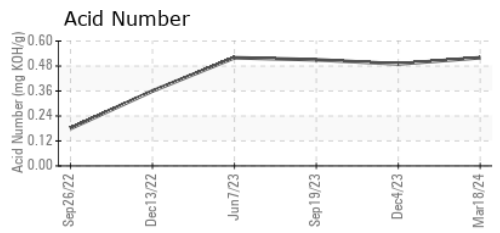
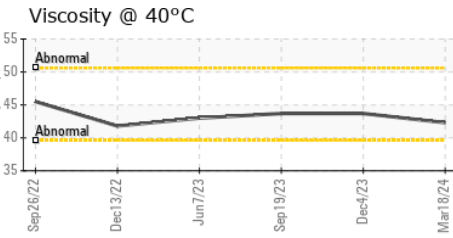
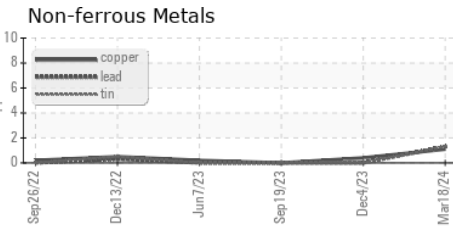
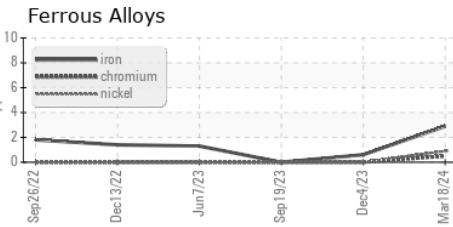
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	<b>42.3</b>	43.7	43.7

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UHC0001061      **Received** : 11 Apr 2024  
**Lab Number** : 06145992      **Tested** : 12 Apr 2024  
**Unique Number** : 10976070      **Diagnosed** : 15 Apr 2024 - Don Baldrige  
**Test Package** : IND 2

**ATLANTA AIR COMPRESSOR**  
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 US 30548  
 Contact: Derik Bray  
 Derik@atlantaaircompressor.com  
 T: (470)252-9952  
 F: x:

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)