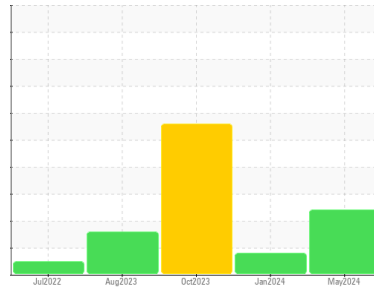




# OIL ANALYSIS REPORT

Area  
**VISION 8000**  
 Machine Id  
**HODGE 2201020441 - ART STONE GRANITE**  
 Component  
**Compressor**

Sample Rating Trend



**DIRT**



## DIAGNOSIS

- Recommendation**  
We recommend an early resample to monitor this condition.
- Wear**  
The iron level is abnormal. All other component wear rates are normal.
- Contamination**  
Elemental level of silicon (Si) above normal.

**Fluid Condition**  
 The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UHC0000803</b>	UHC0000831	UHC0000792
Sample Date	Client Info		<b>13 May 2024</b>	23 Jan 2024	16 Oct 2023
Machine Age	hrs	Client Info	<b>5794</b>	4946	4116
Oil Age	hrs	Client Info	<b>0</b>	828	1103
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Changed
Sample Status			<b>ATTENTION</b>	ATTENTION	ABNORMAL

## 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>107</b>	145	64
Chromium	ppm	ASTM D5185m >10	<b>2</b>	2	<1
Nickel	ppm	ASTM D5185m	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>4</b>	1	4
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m >15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.3	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 0.3	<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m 0.9	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m 0.2	<b>&lt;1</b>	1	2
Calcium	ppm	ASTM D5185m 0.1	<b>7</b>	4	5
Phosphorus	ppm	ASTM D5185m 429	<b>491</b>	458	460
Zinc	ppm	ASTM D5185m 0.3	<b>66</b>	49	52
Sulfur	ppm	ASTM D5185m 1336	<b>1255</b>	1125	904

## CONTAMINANTS

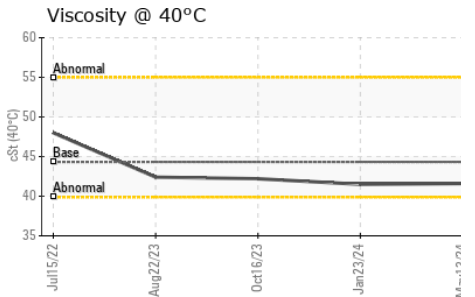
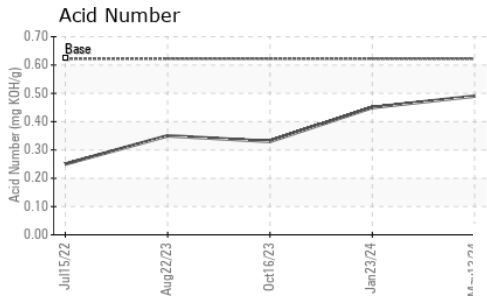
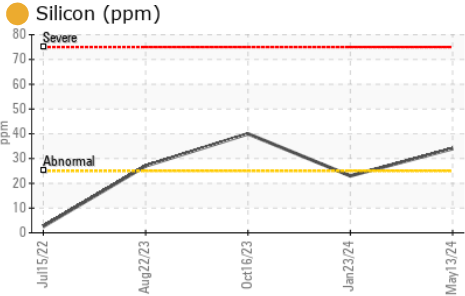
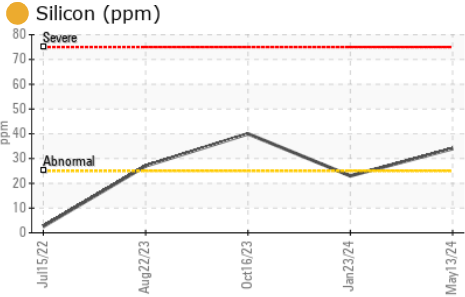
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>34</b>	23	40
Sodium	ppm	ASTM D5185m	<b>9</b>	11	11
Potassium	ppm	ASTM D5185m >20	<b>3</b>	4	3

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.622	<b>0.49</b>	0.45	0.33



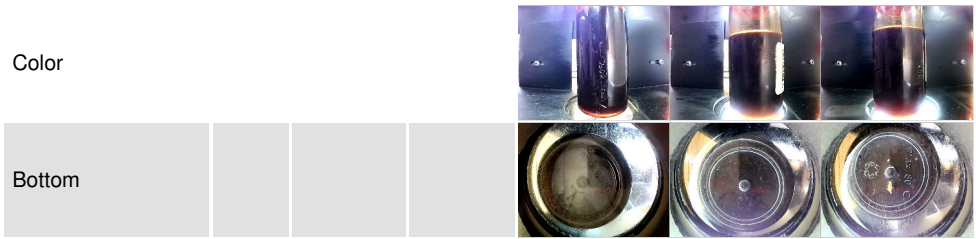
# OIL ANALYSIS REPORT



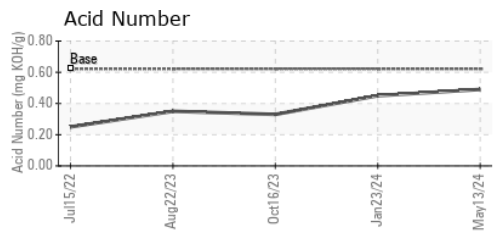
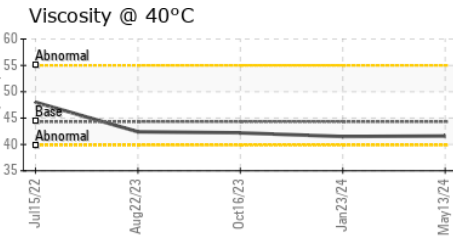
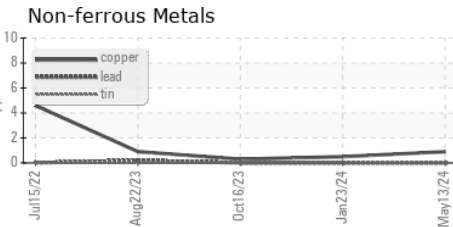
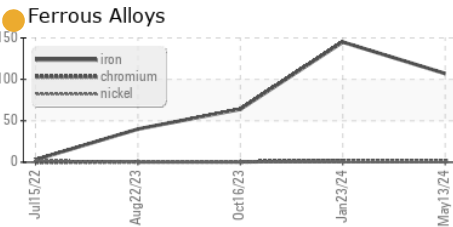
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	0.2%
Free Water	scalar	*Visual		NEG	▲ 1.0

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.32	41.5	42.2

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UHC0000803      **Received** : 17 Jun 2024  
**Lab Number** : 06211835      **Tested** : 18 Jun 2024  
**Unique Number** : 11084699      **Diagnosed** : 19 Jun 2024 - Don Baldrige  
**Test Package** : IND 2

**ATLANTA AIR COMPRESSOR**  
 123 MERCHANTS PARK DR  
 HOSCHTON, GA  
 US 30548  
 Contact: Derik Bray  
 Derik@atlantaaircompressor.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)