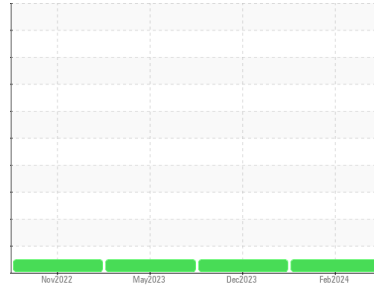




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**VISION 8000**  
 Machine Id  
**HODGE 2109050082 - DIAMOND BACK**  
 Component  
**Compressor**  
 Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

### Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

Moderate concentration of visible dirt/debris present 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>UHC0000940</b>	UHC0000653	UHC0000687
Sample Date	Client Info		<b>26 Feb 2024</b>	07 Dec 2023	22 May 2023
Machine Age	hrs	Client Info	<b>5935</b>	5591	3572
Oil Age	hrs	Client Info	<b>5600</b>	2019	2988
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	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>	2	7
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m >15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	<1
Cadmium	ppm	ASTM D5185m	<b>0</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>	1	<1
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	2
Magnesium	ppm	ASTM D5185m	<b>6</b>	12	15
Calcium	ppm	ASTM D5185m	<b>11</b>	16	173
Phosphorus	ppm	ASTM D5185m	<b>545</b>	460	572
Zinc	ppm	ASTM D5185m	<b>171</b>	189	201
Sulfur	ppm	ASTM D5185m	<b>2071</b>	1742	4707

## CONTAMINANTS

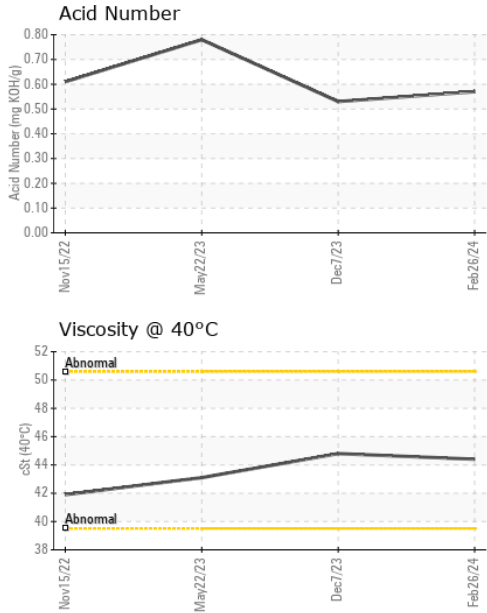
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>8</b>	10	3
Sodium	ppm	ASTM D5185m	<b>6</b>	8	35
Potassium	ppm	ASTM D5185m >20	<b>0</b>	1	4

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.57</b>	0.53	0.78



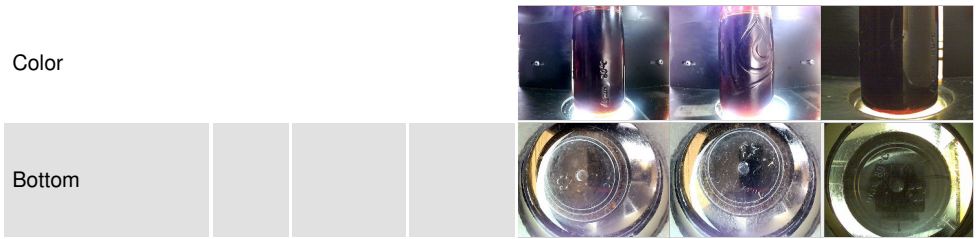
# OIL ANALYSIS REPORT



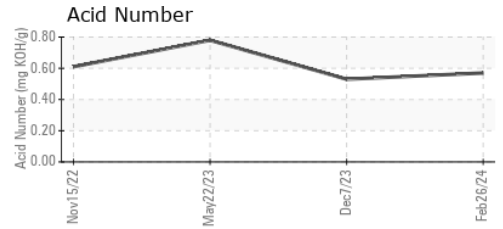
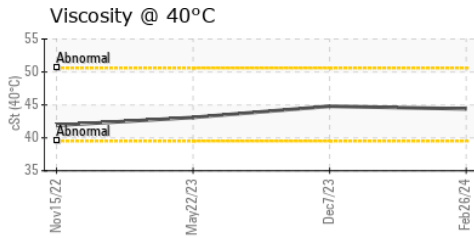
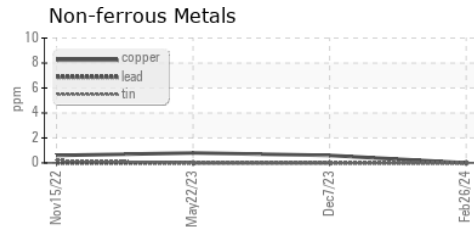
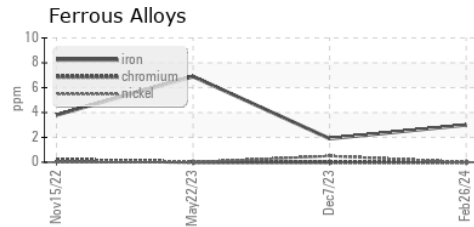
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	<b>MODER</b>	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<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	<b>44.4</b>	44.8	43.1

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UHC0000940      **Received** : 20 Mar 2024  
**Lab Number** : **06123751**      **Tested** : 21 Mar 2024  
**Unique Number** : 10937902      **Diagnosed** : 22 Mar 2024 - Don Baldrige  
**Test Package** : IND 2

**ATLANTA AIR COMPRESSOR**  
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 HOSCHTON, GA  
 US 30548  
 Contact: Derik Bray  
 Derik@atlantaaircompressor.com  
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 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)