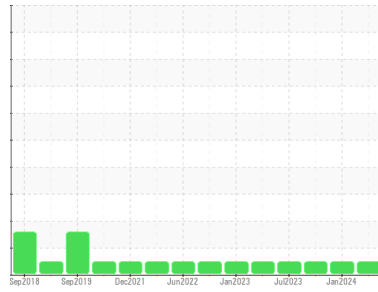




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**AC3 46 PG**

Machine Id

**INGERSOLL RAND NV9193U11228 - MCAIRLADS**

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>UAC06150522</b>	UAC06063709	UAC06012553
Sample Date	Client Info		<b>05 Apr 2024</b>	11 Jan 2024	10 Nov 2023
Machine Age	hrs	Client Info	<b>51754</b>	51717	51715
Oil Age	hrs	Client Info	<b>173</b>	136	134
Oil Changed	Client Info		<b>N/A</b>	Not Changd	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 >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	0	2
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>2</b>	<1	<1
Tin	ppm	ASTM D5185m >15	<b>&lt;1</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 0.6	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 0	<b>6</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m 0.3	<b>1</b>	0	<1
Magnesium	ppm	ASTM D5185m 0	<b>&lt;1</b>	0	2
Calcium	ppm	ASTM D5185m 0.3	<b>&lt;1</b>	0	1
Phosphorus	ppm	ASTM D5185m 233	<b>476</b>	436	474
Zinc	ppm	ASTM D5185m 0	<b>19</b>	21	27
Sulfur	ppm	ASTM D5185m 269	<b>1775</b>	1420	1577

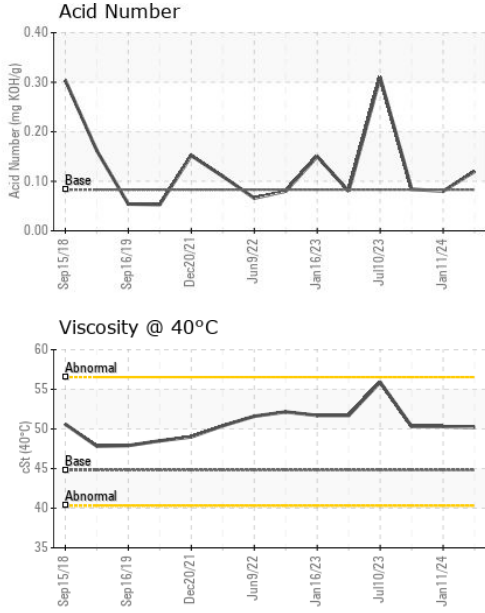
### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	<1	<1
Sodium	ppm	ASTM D5185m	<b>3</b>	<1	1
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 0.083	<b>0.12</b>	0.08	0.084

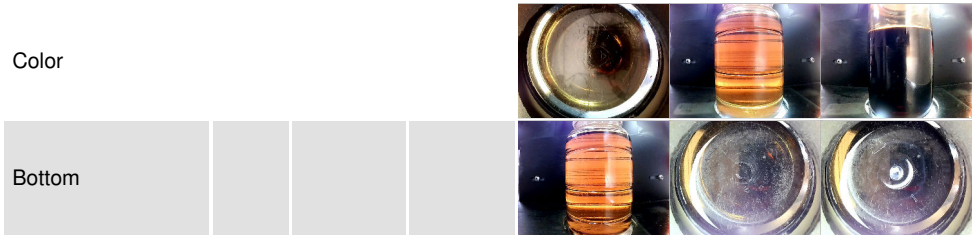
# OIL ANALYSIS REPORT



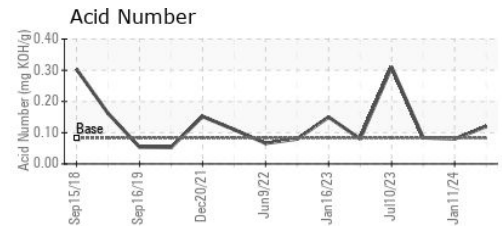
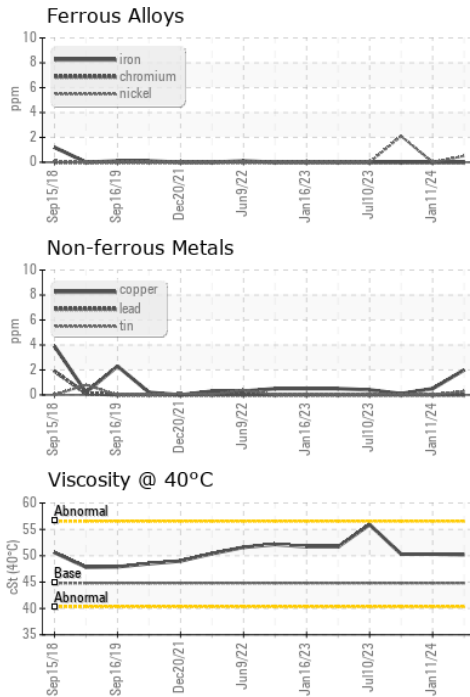
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	44.81	50.2	50.3

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UAC06150522      **Received** : 16 Apr 2024  
**Lab Number** : **06150522**      **Tested** : 17 Apr 2024  
**Unique Number** : 10980600      **Diagnosed** : 18 Apr 2024 - Sean Felton  
**Test Package** : IND 2

**ATLANTIC COMPRESSORS**  
 2144 SALEM INDUSTRIAL DRIVE  
 SALEM, VA  
 US 24153  
 Contact: BILL RIMER  
 bill@atlanticcompressors.com  
 T: (540)728-1147  
 F: (757)216-0134

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)