

Area

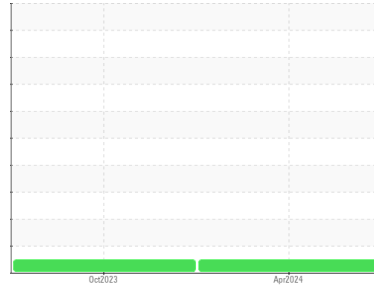
## ULTRA COOLANT

Machine Id

### INGERSOLL RAND BN2166U11014 - FIRSTSPEAR LLC

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>JHF0000191</b>	UCH05988195	---
Sample Date	Client Info		<b>09 Apr 2024</b>	16 Oct 2023	---
Machine Age	hrs	Client Info	<b>20434</b>	19653	---
Oil Age	hrs	Client Info	<b>2534</b>	1844	---
Oil Changed	Client Info		<b>Changed</b>	Not Changd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

#### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	---

#### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>6</b>	<1	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	0	---
Lead	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m >50	<b>12</b>	8	---
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---

#### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	<b>0</b>	0	---
Barium	ppm	ASTM D5185m 500	<b>677</b>	720	---
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m 0	<b>3</b>	3	---
Calcium	ppm	ASTM D5185m 0	<b>10</b>	5	---
Phosphorus	ppm	ASTM D5185m 20	<b>&lt;1</b>	2	---
Zinc	ppm	ASTM D5185m 0	<b>70</b>	40	---
Sulfur	ppm	ASTM D5185m 200	<b>329</b>	366	---

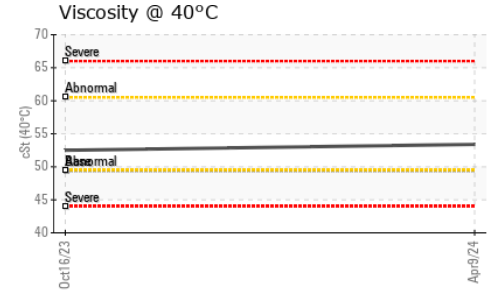
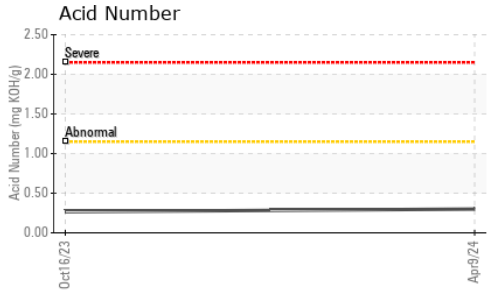
#### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>2</b>	2	---
Sodium	ppm	ASTM D5185m	<b>33</b>	21	---
Potassium	ppm	ASTM D5185m >20	<b>3</b>	2	---

#### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.30</b>	0.266	---

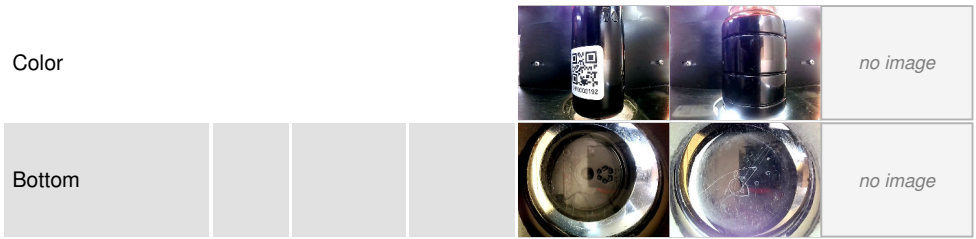
# OIL ANALYSIS REPORT



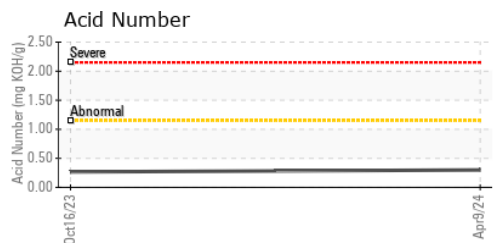
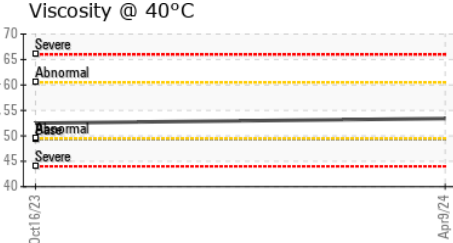
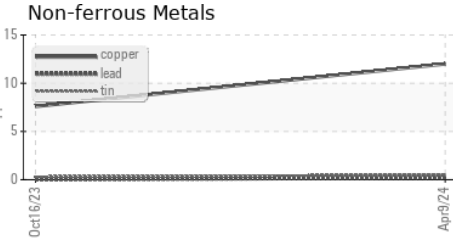
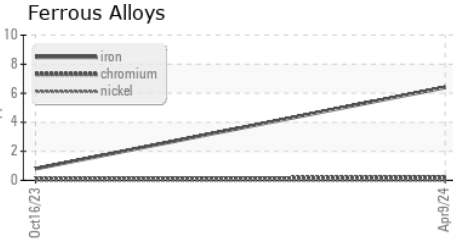
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	49.4	<b>53.4</b>	52.5	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JHF0000191      **Received** : 19 Apr 2024  
**Lab Number** : **06154544**      **Tested** : 22 Apr 2024  
**Unique Number** : 10989967      **Diagnosed** : 23 Apr 2024 - Sean Felton  
**Test Package** : IND 2

**JOHN HENRY FOSTER COMPANY**  
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 SAINT LOUIS, MO  
 US 63134  
 Contact: RACHEL VON HATTEN  
 rvonhatten@jhf.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)