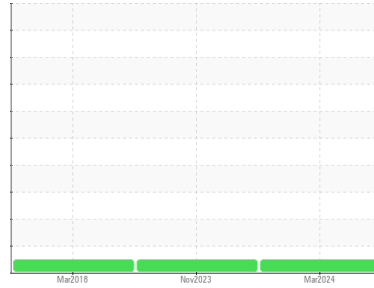


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ULTRA COOLANT [SVO-059798]**  
Machine Id  
**INGERSOLL RAND VN1639U14041 - RX SYSTEM**  
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>UCH06123809</b>	UCH06012583	UCH04427659
Sample Date	Client Info			<b>08 Mar 2024</b>	10 Nov 2023	08 Mar 2018
Machine Age	hrs	Client Info		<b>59795</b>	58196	0
Oil Age	hrs	Client Info		<b>3360</b>	1761	8000
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	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

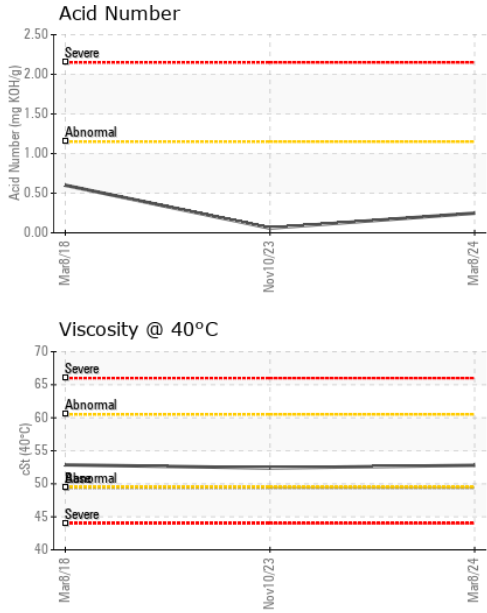
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	1
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	2
Copper	ppm	ASTM D5185m	>50	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>15	<b>3</b>	3	4
Antimony	ppm	ASTM D5185m		<b>---</b>	---	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	3
Barium	ppm	ASTM D5185m	500	<b>799</b>	758	325
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	2
Magnesium	ppm	ASTM D5185m	0	<b>0</b>	1	0
Calcium	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	<1
Phosphorus	ppm	ASTM D5185m	20	<b>0</b>	1	0
Zinc	ppm	ASTM D5185m	0	<b>0</b>	0	2
Sulfur	ppm	ASTM D5185m	200	<b>420</b>	365	324

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>2</b>	2	3
Sodium	ppm	ASTM D5185m		<b>23</b>	17	38
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	4	12

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.248</b>	0.06	0.600

# OIL ANALYSIS REPORT



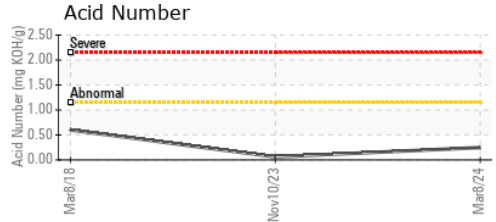
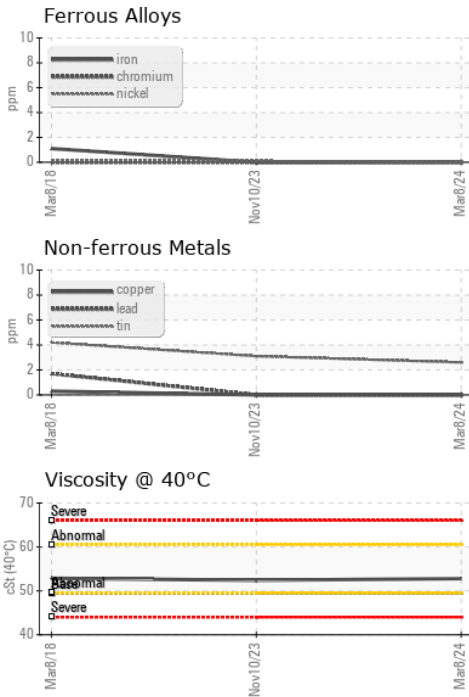
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	49.4	<b>52.8</b>	52.4	52.87

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06123809 **Received** : 20 Mar 2024  
**Lab Number** : 06123809 **Tested** : 21 Mar 2024  
**Unique Number** : 10937960 **Diagnosed** : 22 Mar 2024 - Don Baldrige  
**Test Package** : IND 2

**JOHN HENRY FOSTER COMPANY**  
 4700 LEBOURGET STREET  
 SAINT LOUIS, MO  
 US 63134  
 Contact: RACHEL VON HATTEN  
 rvonhatten@jhfc.com  
 T: (314)593-1267  
 F: (314)874-0965

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)