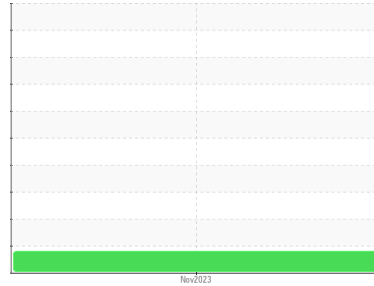




# PROBLEM SUMMARY

Area  
**ULTRA FG [OIL-42446]**  
 Machine Id  
**INGERSOLL RAND NK1460U13019 - SINCLAIR & RUSH**  
 Component  
**Compressor**

Sample Rating Trend



## COMPONENT CONDITION SUMMARY

### ▲ Non-ferrous Metals



## RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Tin	ppm	ASTM D5185m	>15	▲ 29	---	---

Customer Id: UCJOHSAI  
 Sample No.: UCH06007063  
 Lab Number: 06007063  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Doug Bogart +1 (800)237-1369 x4016  
[dougb@wearcheckusa.com](mailto:dougb@wearcheckusa.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**



Area  
**ULTRA FG [OIL-42446]**  
 Machine Id  
**INGERSOLL RAND NK1460U13019 - SINCLAIR & RUSH**  
 Component  
**Compressor**



## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

### Wear

The tin level is abnormal. All other 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>UCH06007063</b>	---	---
Sample Date	Client Info	<b>02 Nov 2023</b>	---	---
Machine Age	hrs Client Info	<b>27002</b>	---	---
Oil Age	hrs Client Info	<b>4849</b>	---	---
Oil Changed	Client Info	<b>Not Chngd</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>50	<b>0</b>	---	---
Chromium ppm ASTM D5185m	>10	<b>&lt;1</b>	---	---
Nickel ppm ASTM D5185m		<b>0</b>	---	---
Titanium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Silver ppm ASTM D5185m		<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>25	<b>1</b>	---	---
Lead ppm ASTM D5185m	>25	<b>0</b>	---	---
Copper ppm ASTM D5185m	>50	<b>&lt;1</b>	---	---
Tin ppm ASTM D5185m	>15	<b>▲ 29</b>	---	---
Vanadium ppm ASTM D5185m		<b>0</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>0</b>	---	---
Barium ppm ASTM D5185m		<b>74</b>	---	---
Molybdenum ppm ASTM D5185m		<b>0</b>	---	---
Manganese ppm ASTM D5185m		<b>0</b>	---	---
Magnesium ppm ASTM D5185m		<b>3</b>	---	---
Calcium ppm ASTM D5185m		<b>17</b>	---	---
Phosphorus ppm ASTM D5185m		<b>248</b>	---	---
Zinc ppm ASTM D5185m		<b>5</b>	---	---
Sulfur ppm ASTM D5185m		<b>571</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	<b>3</b>	---	---
Sodium ppm ASTM D5185m		<b>19</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>2</b>	---	---

## FLUID DEGRADATION

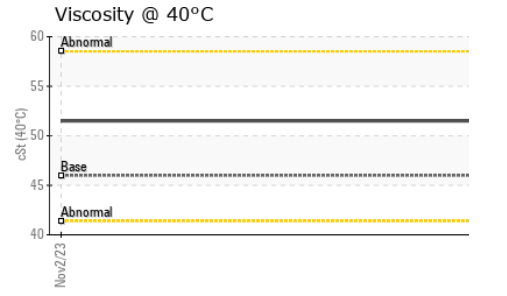
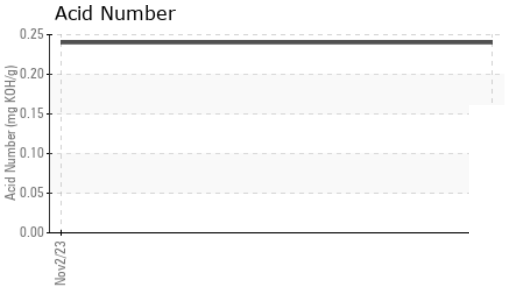
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		<b>0.24</b>	---	---

## VISUAL

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



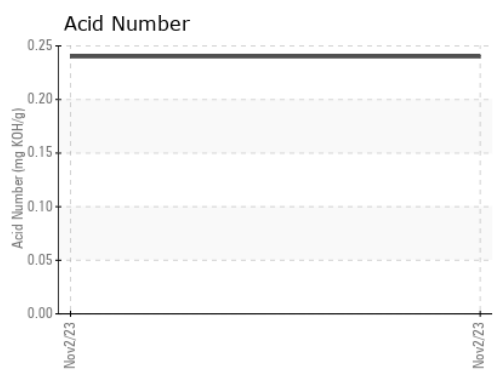
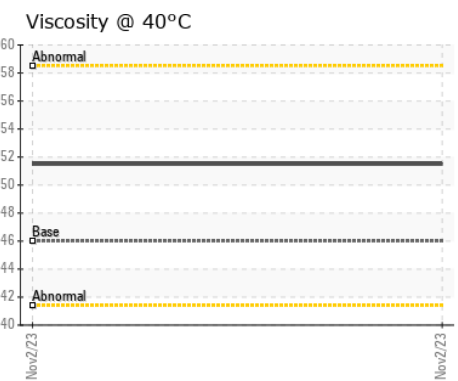
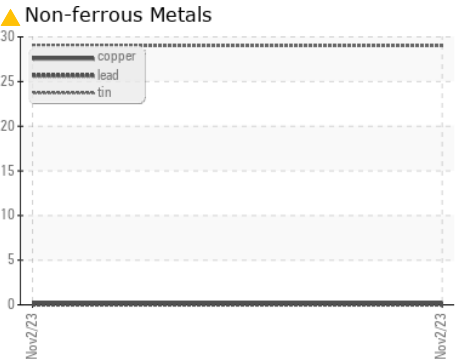
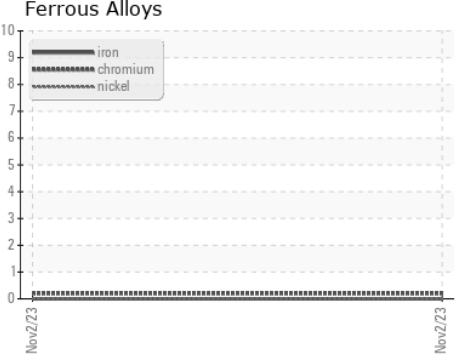
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.0	51.5	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06007063 **Received** : 14 Nov 2023  
**Lab Number** : 06007063 **Diagnosed** : 15 Nov 2023  
**Unique Number** : 10740825 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

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 rvonhatten@jhf.com  
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 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)