



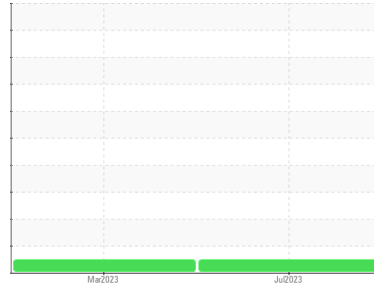
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**BLUE DIAMOND 8K [SVO-054273]**  
 Machine Id  
**INGERSOLL RAND PX8864 - CUTTING EDGE OPTRONICS**  
 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>UCH05903365</b>	UCH05807760	---
Sample Date	Client Info		<b>13 Jul 2023</b>	23 Mar 2023	---
Machine Age	hrs	Client Info	<b>39357</b>	36717	---
Oil Age	hrs	Client Info	<b>2640</b>	9922	---
Oil Changed	Client Info		<b>Not Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## WEAR METALS

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

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	2	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	525	<b>450</b>	907	---
Molybdenum	ppm	ASTM D5185m	10	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m	5	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185m	10	<b>4</b>	9	---
Phosphorus	ppm	ASTM D5185m	250	<b>2</b>	46	---
Zinc	ppm	ASTM D5185m	100	<b>11</b>	8	---
Sulfur	ppm	ASTM D5185m	400	<b>245</b>	143	---

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	3	---
Sodium	ppm	ASTM D5185m		<b>31</b>	63	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	4	---

## FLUID DEGRADATION

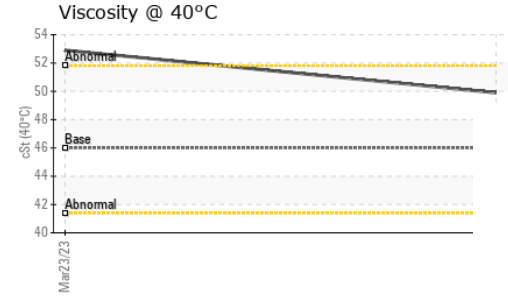
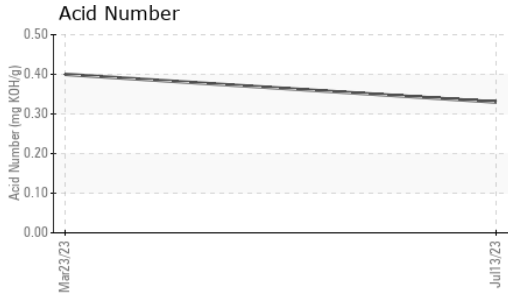
	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.33</b>	0.40	---

## VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.8	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---



# OIL ANALYSIS REPORT

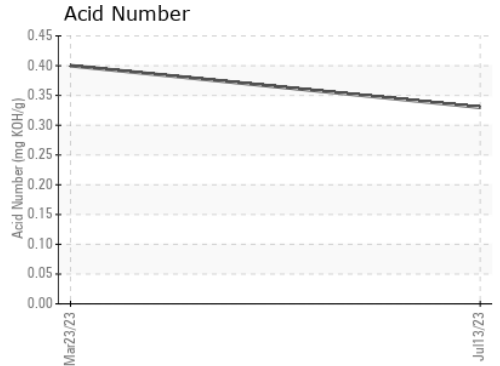
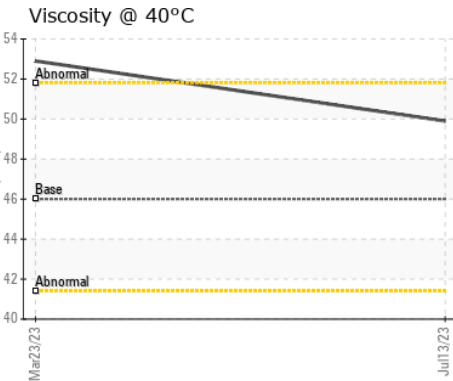
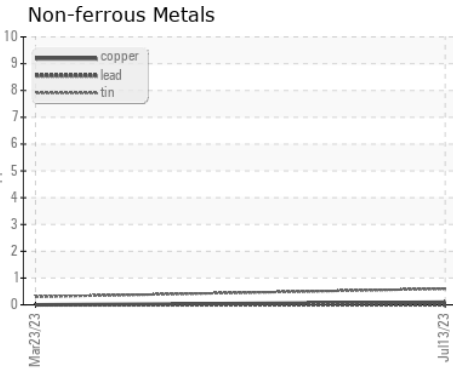
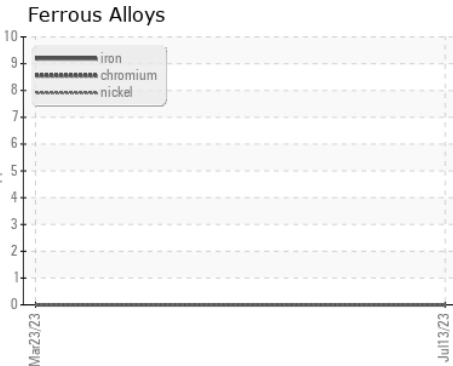


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	<b>49.9</b>	52.9	---

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05903365 **Received** : 20 Jul 2023  
**Lab Number** : **05903365** **Diagnosed** : 24 Jul 2023  
**Unique Number** : 10564721 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**JOHN HENRY FOSTER COMPANY**  
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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)