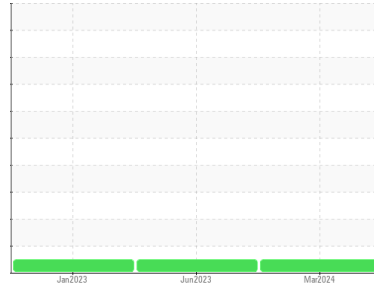




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**US COOLANT PE [S-24901]**

Machine Id

**INGERSOLL RAND VNN1523U16267 - JLL OXFORD**

Component

**Compressor**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

High concentration of visible dirt/debris present 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>UCH06153237</b>	UCH05919843	UCH05760822
Sample Date	Client Info		<b>29 Mar 2024</b>	23 Jun 2023	30 Jan 2023
Machine Age	hrs	Client Info	<b>49230</b>	42733	40565
Oil Age	hrs	Client Info	<b>8665</b>	2168	5816
Oil Changed	Client Info		<b>Changed</b>	Not Changd	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	<1
Nickel	ppm	ASTM D5185m	<b>0</b>	0	<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>&lt;1</b>	<1	3
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	2
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	0	2
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	1
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	<1

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 730	<b>360</b>	608	719
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m 0.0	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m 0	<b>&lt;1</b>	1	3
Calcium	ppm	ASTM D5185m 0	<b>2</b>	0	4
Phosphorus	ppm	ASTM D5185m 0	<b>0</b>	9	22
Zinc	ppm	ASTM D5185m 0	<b>0</b>	0	5
Sulfur	ppm	ASTM D5185m 590	<b>563</b>	791	239

### CONTAMINANTS

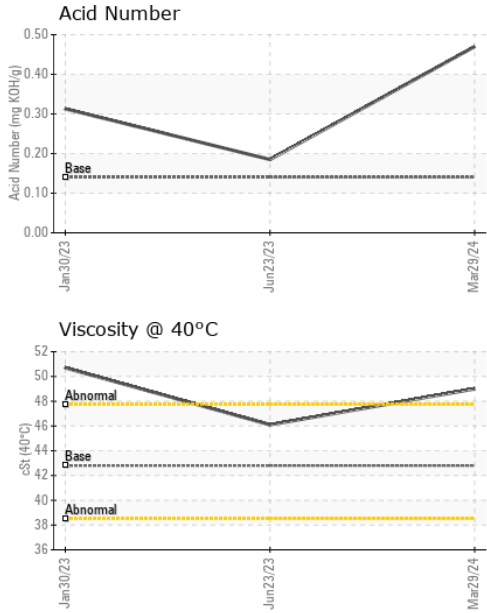
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>0</b>	<1	2
Sodium	ppm	ASTM D5185m	<b>26</b>	15	28
Potassium	ppm	ASTM D5185m >20	<b>6</b>	2	5

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.14	<b>0.47</b>	0.185	0.313



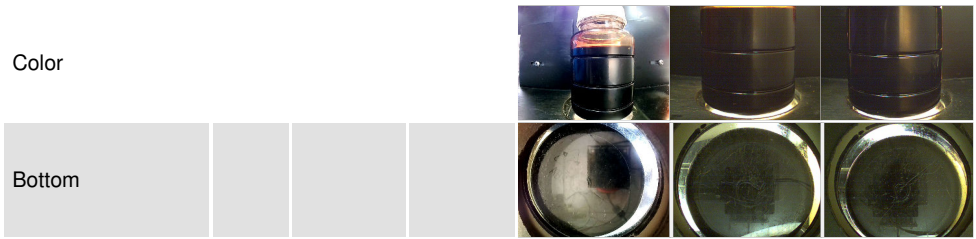
# OIL ANALYSIS REPORT



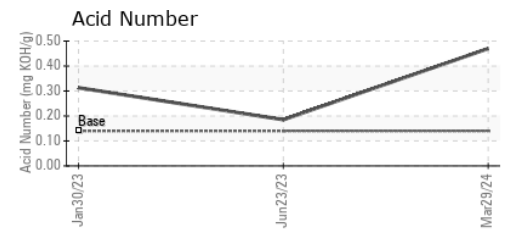
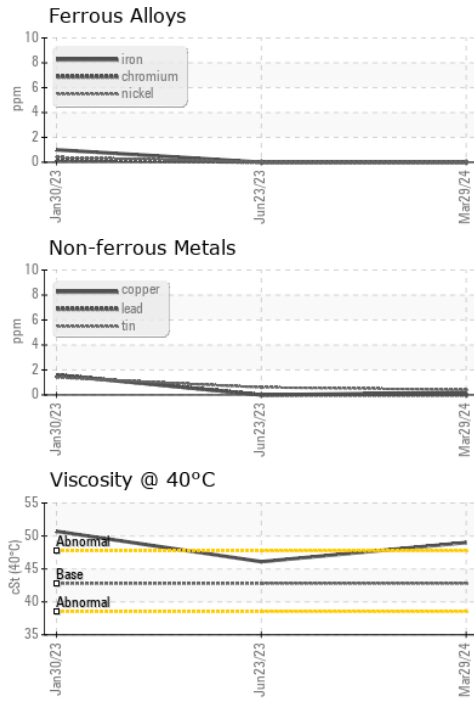
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE
Sand/Dirt	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	42.8	<b>49.0</b>	46.1

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06153237      **Received** : 18 Apr 2024  
**Lab Number** : **06153237**      **Tested** : 19 Apr 2024  
**Unique Number** : 10983315      **Diagnosed** : 22 Apr 2024 - Sean Felton  
**Test Package** : IND 2

**CAPITAL MACHINERY SYSTEMS**  
 3207 W ANGLE ROAD  
 PENDELTON, IN  
 US 46064  
 Contact: BRIAN CALDWELL  
 bcaldwell@capital-compressor.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)