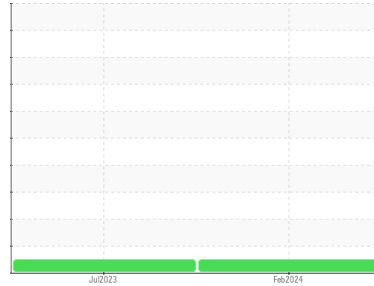


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ASL-IR-46 [1461]**  
 Machine Id  
**INGERSOLL RAND VP3452U10322 - KINDER MORGAN DEEPWATER**  
 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>UCH06124963</b>	UCH05905564	---
Sample Date	Client Info			<b>01 Feb 2024</b>	07 Jul 2023	---
Machine Age	hrs	Client Info		<b>2482</b>	2168	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

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

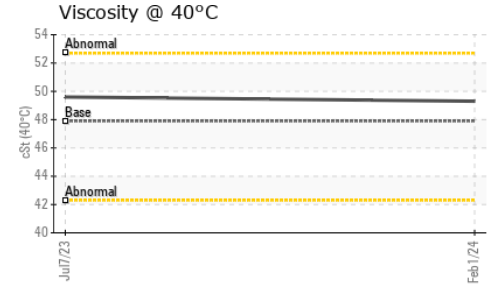
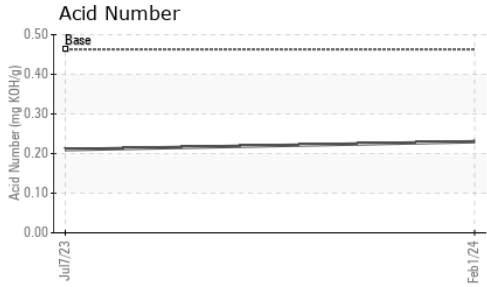
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>3</b>	<1	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m		<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>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

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1.5	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	0	<b>259</b>	448	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m	0.3	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	0	<b>4</b>	<1	---
Calcium	ppm	ASTM D5185m	0	<b>14</b>	24	---
Phosphorus	ppm	ASTM D5185m	406	<b>25</b>	71	---
Zinc	ppm	ASTM D5185m	0	<b>4</b>	30	---
Sulfur	ppm	ASTM D5185m	1283	<b>4019</b>	423	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>2</b>	3	---
Sodium	ppm	ASTM D5185m		<b>55</b>	41	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.463	<b>0.23</b>	0.21	---

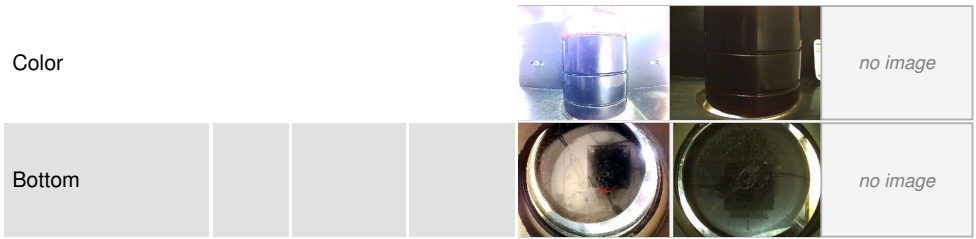
# OIL ANALYSIS REPORT



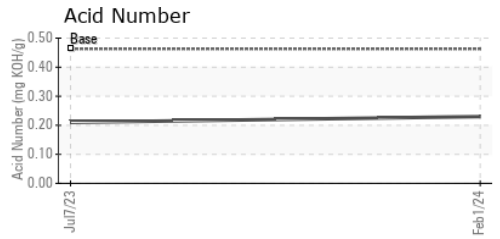
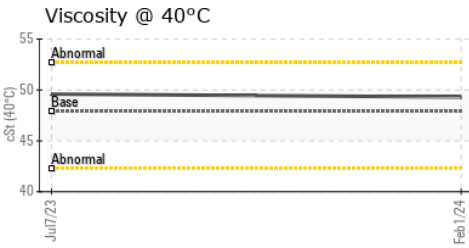
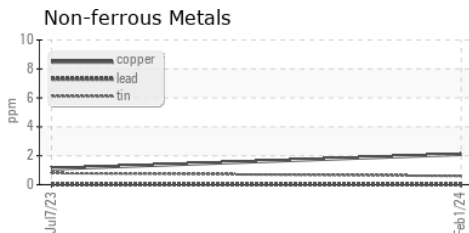
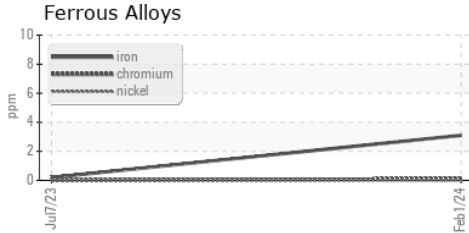
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	47.9	<b>49.3</b>	49.6	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06124963      **Received** : 21 Mar 2024  
**Lab Number** : **06124963**      **Tested** : 22 Mar 2024  
**Unique Number** : 10939114      **Diagnosed** : 24 Mar 2024 - Don Baldrige  
**Test Package** : IND 2

**AIR SPECIALTY & EQUIPMENT COMPANY**  
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 DEER PARK, TX  
 US 77536  
 Contact: AARON RIOS  
 oilsamples@airspecialty.com  
 T: (281)884-2335  
 F:

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)