



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ULTRA COOLANT**  
 Machine Id  
**INGERSOLL RAND CBV608331 - VULCAN MATERIALS-GRASS VALLEY**  
 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>UCH06009714</b>	---	---
Sample Date	Client Info		<b>02 Nov 2023</b>	---	---
Machine Age	hrs Client Info		<b>7749</b>	---	---
Oil Age	hrs Client Info		<b>1394</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

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

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	<b>0</b>	---	---
Barium	ppm ASTM D5185m	500	<b>737</b>	---	---
Molybdenum	ppm ASTM D5185m	0	<b>0</b>	---	---
Manganese	ppm ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm ASTM D5185m	0	<b>0</b>	---	---
Calcium	ppm ASTM D5185m	0	<b>1</b>	---	---
Phosphorus	ppm ASTM D5185m	20	<b>4</b>	---	---
Zinc	ppm ASTM D5185m	0	<b>&lt;1</b>	---	---
Sulfur	ppm ASTM D5185m	200	<b>314</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>25	<b>&lt;1</b>	---	---
Sodium	ppm ASTM D5185m		<b>14</b>	---	---
Potassium	ppm ASTM D5185m	>20	<b>2</b>	---	---

## FLUID DEGRADATION

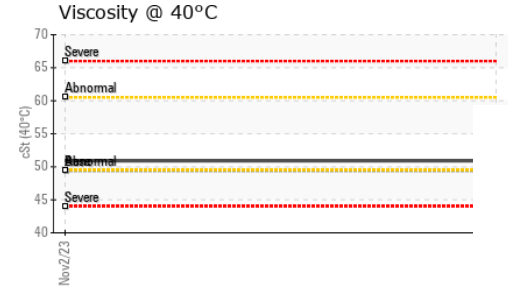
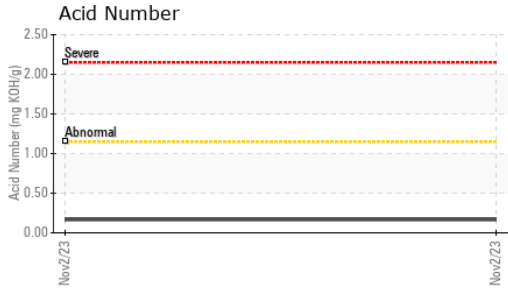
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		<b>0.166</b>	---	---

## 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>	---	---



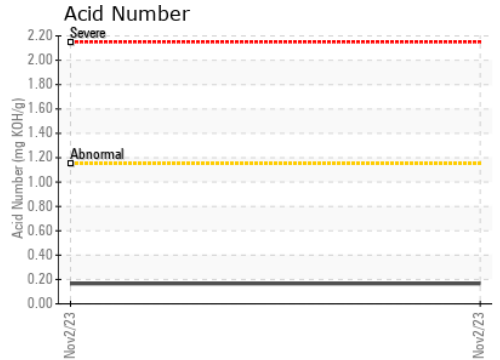
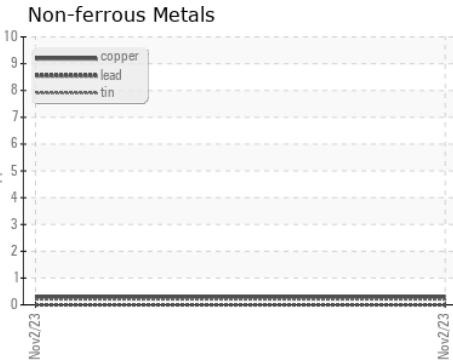
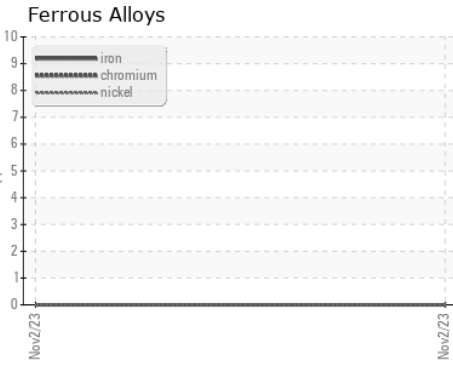
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	49.4	<b>50.9</b>	---	---

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.** : UCH06009714    **Received** : 16 Nov 2023  
**Lab Number** : 06009714    **Diagnosed** : 17 Nov 2023  
**Unique Number** : 10743476    **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

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)

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