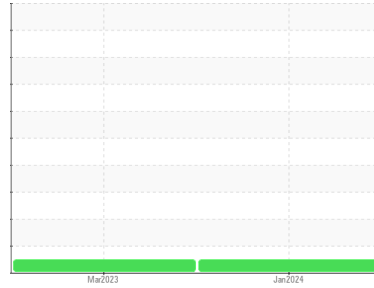




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**TEC 10K**  
 Machine Id  
**KAESER 1421 - KAESER 1 - BLACKHAWK**  
 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>UCH06075952</b>	UCH05809092	---
Sample Date	Client Info		<b>18 Jan 2024</b>	28 Mar 2023	---
Machine Age	hrs	Client Info	<b>35606</b>	28889	---
Oil Age	hrs	Client Info	<b>3479</b>	0	---
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.05	<b>NEG</b>	NEG	---

## 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 >3	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m >3	<b>0</b>	0	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m >10	<b>1</b>	0	---
Copper	ppm	ASTM D5185m >50	<b>2</b>	8	---
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
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 5	<b>0</b>	0	---
Barium	ppm	ASTM D5185m 5	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 5	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 5	<b>1</b>	2	---
Calcium	ppm	ASTM D5185m 5	<b>1</b>	<1	---
Phosphorus	ppm	ASTM D5185m 150	<b>176</b>	3	---
Zinc	ppm	ASTM D5185m 5	<b>0</b>	<1	---
Sulfur	ppm	ASTM D5185m 5000	<b>3041</b>	16559	---

## CONTAMINANTS

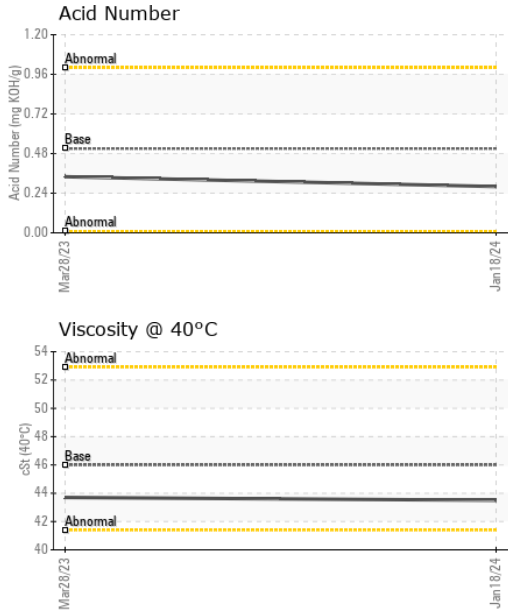
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>1</b>	0	---
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	1	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.51	<b>0.28</b>	0.34	---



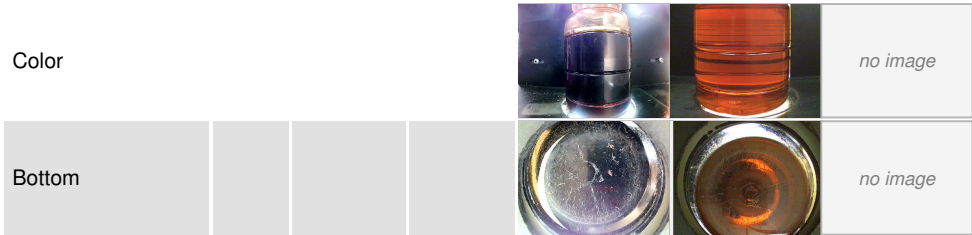
# OIL ANALYSIS REPORT



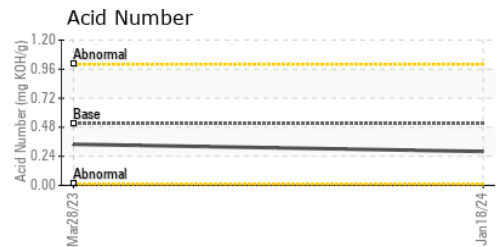
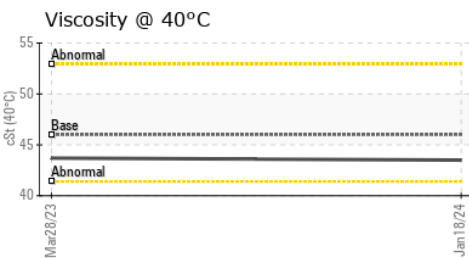
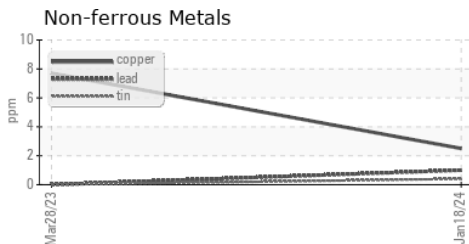
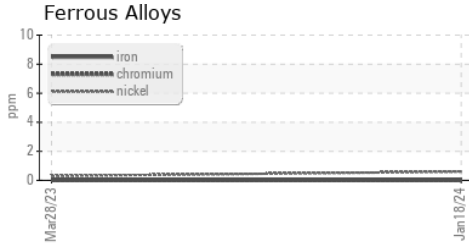
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	43.5	43.7	---

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.** : UCH06075952 **Received** : 31 Jan 2024  
**Lab Number** : 06075952 **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10858043 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**TOTAL EQUIPMENT COMPANY**  
 200 SMILEY DR  
 SAINT ALBANS, WV  
 US 25177  
 Contact: Isabel Weimer  
 isabel.weimer@totalequipment.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)

T:  
F: