

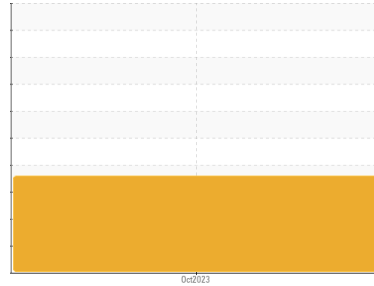


# PROBLEM SUMMARY

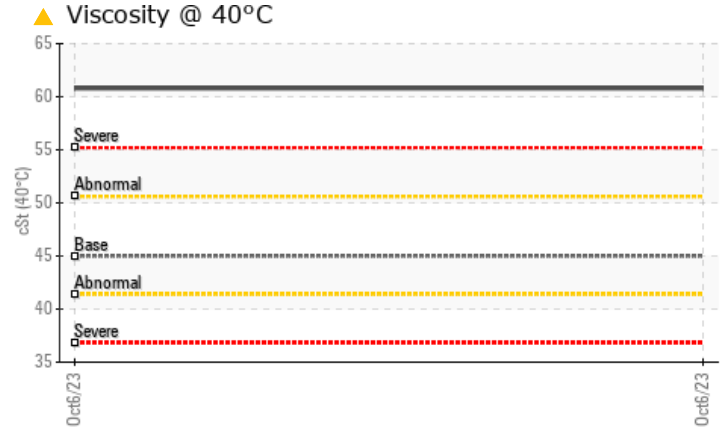
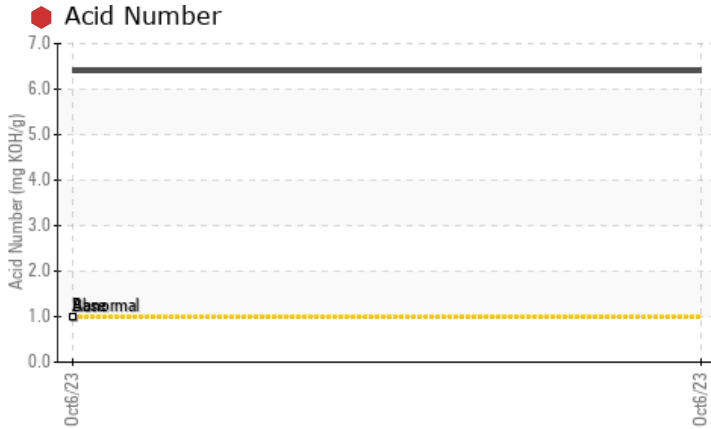
Sample Rating Trend

DEGRADATION

Area  
**M-460**  
 Machine Id  
**KAESER 7216930 - GEORGES CHICKEN (S/N 1051)**  
 Component  
**Compressor**



## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

We advise that you check for a possible overheat condition. Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>SEVERE</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>6.401</b>	---	---
Visc @ 40°C	cSt	ASTM D445	45	<b>60.8</b>	---	---

Customer Id: UCTATRIC  
 Sample No.: UCH05979835  
 Lab Number: 05979835  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.
Flush System	---	---	?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check For Overheating	---	---	?	We advise that you check for a possible overheat condition.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION



Area  
**M-460**  
 Machine Id  
**KAESER 7216930 - GEORGES CHICKEN (S/N 1051)**  
 Component  
**Compressor**



## DIAGNOSIS

### Recommendation

We advise that you check for a possible overheat condition. Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>UCH05979835</b>	---	---
Sample Date	Client Info	<b>06 Oct 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>SEVERE</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>50	<b>14</b>	---	---
Chromium ppm ASTM D5185m	>10	<b>0</b>	---	---
Nickel ppm ASTM D5185m	>3	<b>&lt;1</b>	---	---
Titanium ppm ASTM D5185m	>3	<b>0</b>	---	---
Silver ppm ASTM D5185m	>2	<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>10	<b>0</b>	---	---
Lead ppm ASTM D5185m	>10	<b>&lt;1</b>	---	---
Copper ppm ASTM D5185m	>50	<b>29</b>	---	---
Tin ppm ASTM D5185m	>10	<b>&lt;1</b>	---	---
Vanadium ppm ASTM D5185m		<b>0</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	90	<b>30</b>	---	---
Molybdenum ppm ASTM D5185m	0	<b>0</b>	---	---
Manganese ppm ASTM D5185m		<b>0</b>	---	---
Magnesium ppm ASTM D5185m	100	<b>37</b>	---	---
Calcium ppm ASTM D5185m	0	<b>2</b>	---	---
Phosphorus ppm ASTM D5185m	0	<b>130</b>	---	---
Zinc ppm ASTM D5185m	0	<b>18</b>	---	---
Sulfur ppm ASTM D5185m	23500	<b>10442</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	<b>&lt;1</b>	---	---
Sodium ppm ASTM D5185m		<b>2</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>3</b>	---	---

## FLUID DEGRADATION

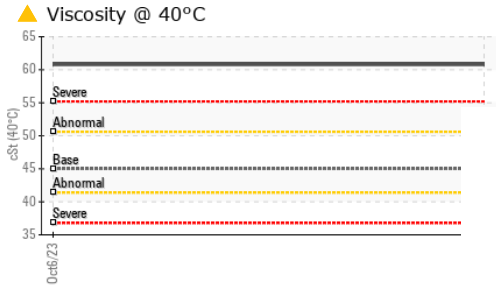
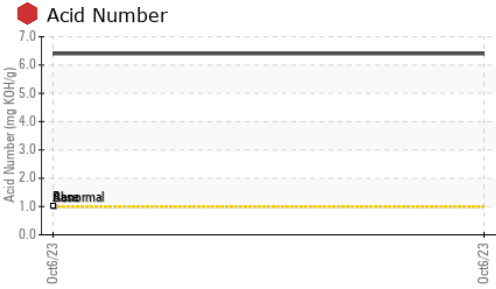
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	1.0	<b>6.401</b>	---	---

## 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	>0.05	<b>NEG</b>	---	---
Free Water scalar *Visual		<b>NEG</b>	---	---



# OIL ANALYSIS REPORT



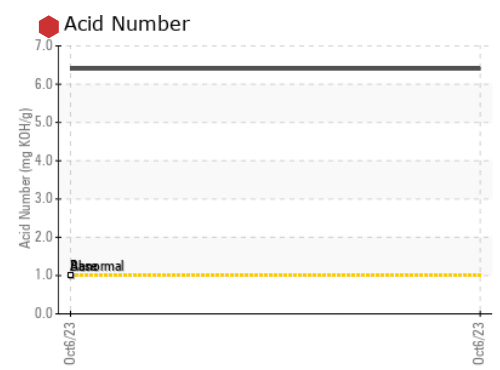
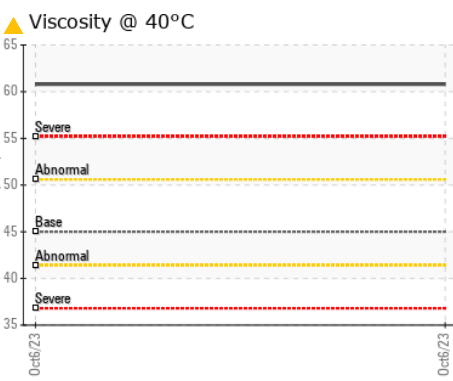
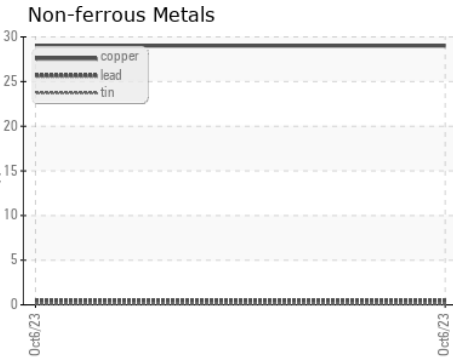
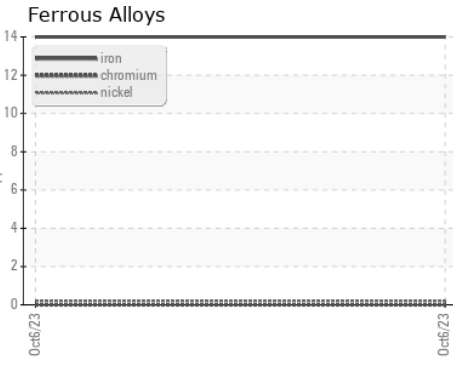
### FLUID PROPERTIES

Property	Method	Limit/Base	Current	History1	History2
Visc @ 40°C	cSt	ASTM D445	60.8	---	---

### SAMPLE IMAGES

Property	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.** : UCH05979835 **Received** : 16 Oct 2023  
**Lab Number** : 05979835 **Diagnosed** : 18 Oct 2023  
**Unique Number** : 10697130 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

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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)