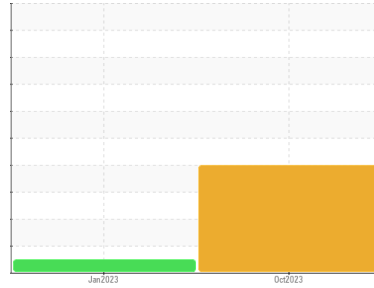




# PROBLEM SUMMARY

Area  
**S-460**  
 Machine Id  
**KAESER 1146 - WEATHER TECH DIRECT**  
 Component  
**Compressor**

Sample Rating Trend

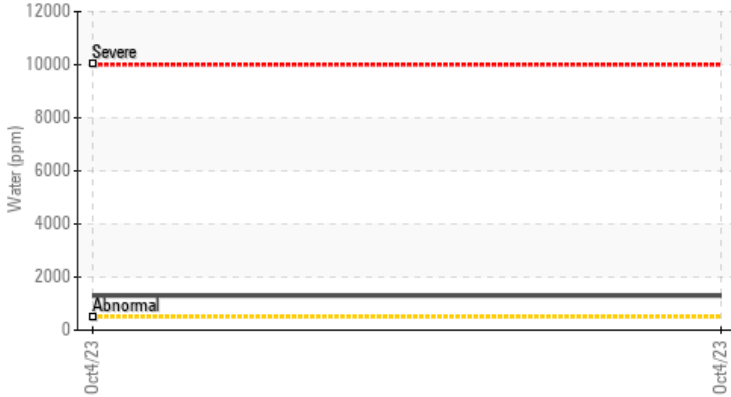


**WATER**



## COMPONENT CONDITION SUMMARY

### ▲ Water (KF)



## RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	NORMAL	---
Water	%	ASTM D6304	>0.05	▲ <b>0.130</b>	---	---
ppm Water	ppm	ASTM D6304	>500	▲ <b>1300</b>	---	---
Appearance	scalar	*Visual	NORML	▲ <b>HAZY</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.05	▲ <b>0.2%</b>	NEG	---
Free Water	scalar	*Visual		▲ <b>10.0</b>	NEG	---

Customer Id: UCDEL DOW  
 Sample No.: UCH06015254  
 Lab Number: 06015254  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

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
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS

**05 Jan 2023 Diag: Don Baldrige**

**NORMAL**



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

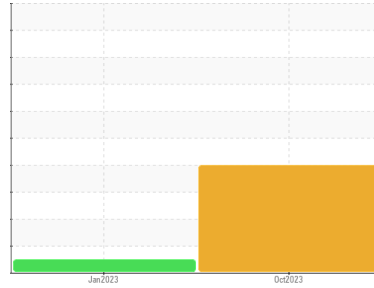
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



**WATER**



Area  
**S-460**

Machine Id  
**KAESER 1146 - WEATHER TECH DIRECT**

Component  
**Compressor**

## DIAGNOSIS

### ▲ Recommendation

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### ▲ Contamination

There is a high amount of visible silt present in the sample. There is a light concentration of water present in the oil. Excessive free water present.

### Fluid Condition

The AN level is acceptable for this fluid.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCH06015254</b>	UCH05737176	---
Sample Date	Client Info		<b>04 Oct 2023</b>	05 Jan 2023	---
Machine Age	hrs	Client Info	<b>1340</b>	1335	---
Oil Age	hrs	Client Info	<b>170</b>	165	---
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	---
Sample Status			<b>ATTENTION</b>	NORMAL	---

## 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>0</b>	0	---
Titanium	ppm	ASTM D5185m >3	<b>0</b>	0	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >10	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m >10	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >50	<b>0</b>	<1	---
Tin	ppm	ASTM D5185m >10	<b>0</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	<b>0</b>	0	---
Barium	ppm	ASTM D5185m 90	<b>26</b>	67	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m 90	<b>7</b>	82	---
Calcium	ppm	ASTM D5185m 2	<b>0</b>	3	---
Phosphorus	ppm	ASTM D5185m	<b>9</b>	4	---
Zinc	ppm	ASTM D5185m	<b>0</b>	1	---
Sulfur	ppm	ASTM D5185m	<b>16242</b>	20714	---

## CONTAMINANTS

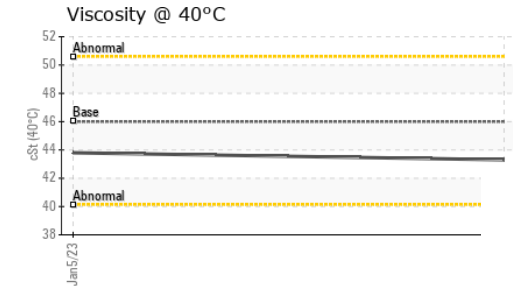
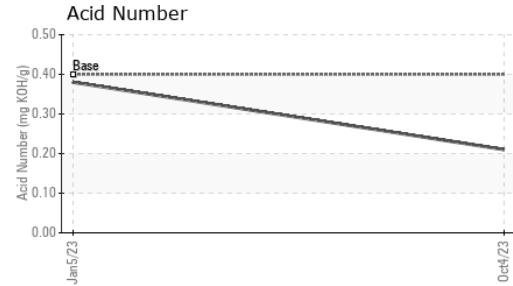
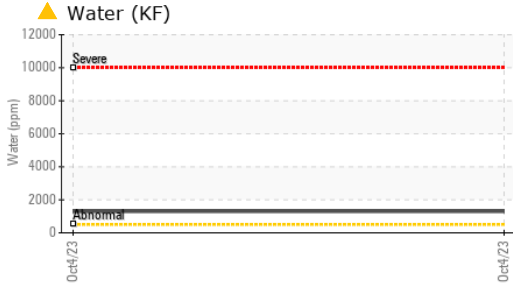
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>0</b>	0	---
Sodium	ppm	ASTM D5185m	<b>0</b>	7	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	---
Water	%	ASTM D6304 >0.05	<b>▲ 0.130</b>	---	---
ppm Water	ppm	ASTM D6304 >500	<b>▲ 1300</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	<b>0.21</b>	0.38	---



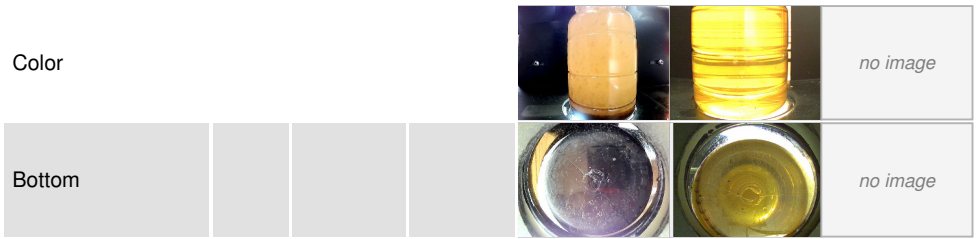
# OIL ANALYSIS REPORT



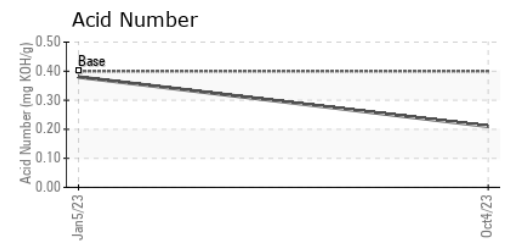
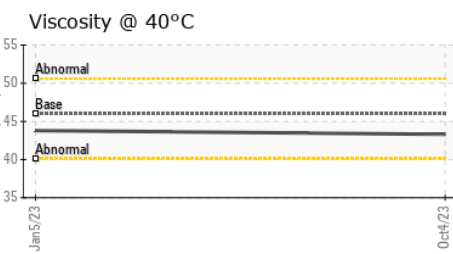
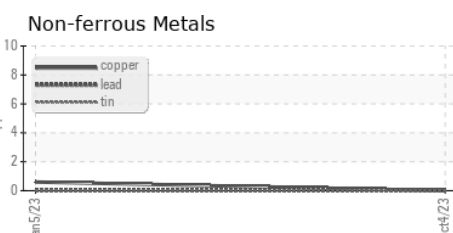
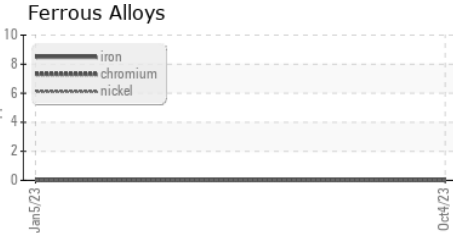
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	HEAVY	---
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG
Free Water	scalar	*Visual		10.0	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	43.3	43.8	---

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. : UCH06015254 Received : 22 Nov 2023  
 Lab Number : 06015254 Diagnosed : 26 Nov 2023  
 Unique Number : 10754398 Diagnostician : Don Baldrige  
 Test Package : IND 2 ( Additional Tests: KF )

DELTA INDUSTRIES - DOWNERS GROVE  
 2201 CURTISS STREET  
 DOWNERS GROVE, IL  
 US 60515  
 Contact: MICHAEL FERRIS

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: (630)960-3931