



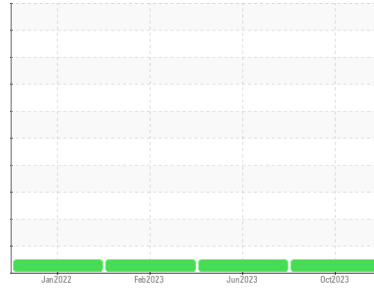
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**KAESER S-460 [7022]**  
 Machine Id  
**KAESER 1001 - DUPAGE PRECISION PRODUCTS**  
 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>UCH05995734</b>	UCH05885700	UCH05774017
Sample Date	Client Info		<b>20 Oct 2023</b>	15 Jun 2023	10 Feb 2023
Machine Age	hrs	Client Info	<b>101562</b>	99467	97611
Oil Age	hrs	Client Info	<b>2096</b>	7150	5175
Oil Changed	Client Info		<b>Changed</b>	Changed	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>0</b>	2	0
Chromium	ppm	ASTM D5185m >10	<b>0</b>	2	0
Nickel	ppm	ASTM D5185m >3	<b>0</b>	2	0
Titanium	ppm	ASTM D5185m >3	<b>0</b>	2	0
Silver	ppm	ASTM D5185m >2	<b>0</b>	1	0
Aluminum	ppm	ASTM D5185m >10	<b>0</b>	4	0
Lead	ppm	ASTM D5185m >10	<b>0</b>	5	0
Copper	ppm	ASTM D5185m >50	<b>5</b>	5	4
Tin	ppm	ASTM D5185m >10	<b>0</b>	2	0
Antimony	ppm	ASTM D5185m	<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	1	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	2	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 90	<b>0</b>	8	1
Molybdenum	ppm	ASTM D5185m	<b>0</b>	2	0
Manganese	ppm	ASTM D5185m	<b>0</b>	2	0
Magnesium	ppm	ASTM D5185m 90	<b>0</b>	9	<1
Calcium	ppm	ASTM D5185m 2	<b>0</b>	<1	0
Phosphorus	ppm	ASTM D5185m	<b>0</b>	8	4
Zinc	ppm	ASTM D5185m	<b>44</b>	21	12
Sulfur	ppm	ASTM D5185m	<b>15778</b>	16788	16329

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	2	0
Sodium	ppm	ASTM D5185m	<b>2</b>	2	0
Potassium	ppm	ASTM D5185m >20	<b>2</b>	7	<1

## FLUID DEGRADATION

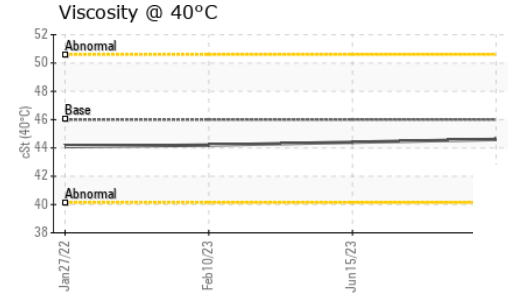
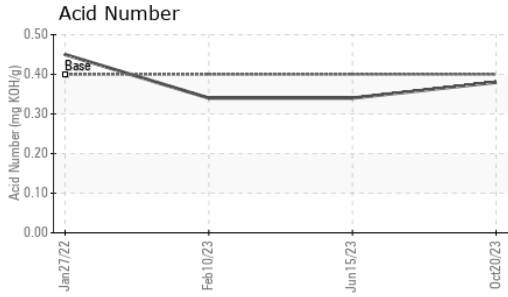
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	<b>0.38</b>	0.34	0.34

## VISUAL

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

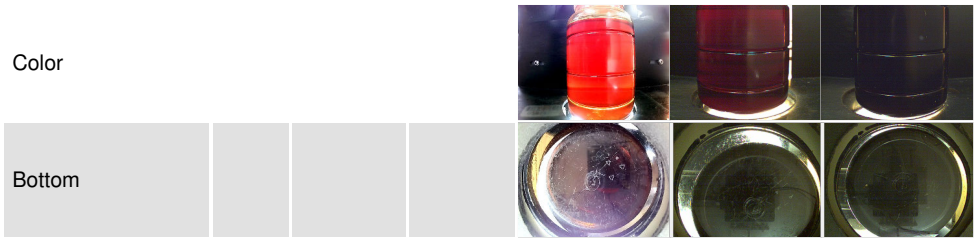


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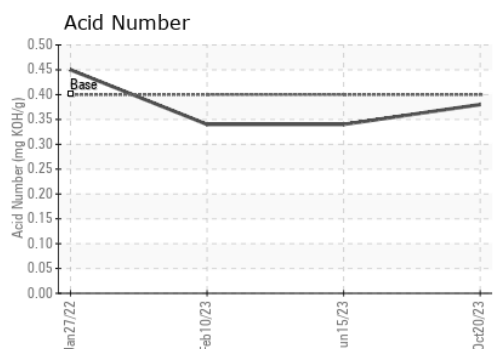
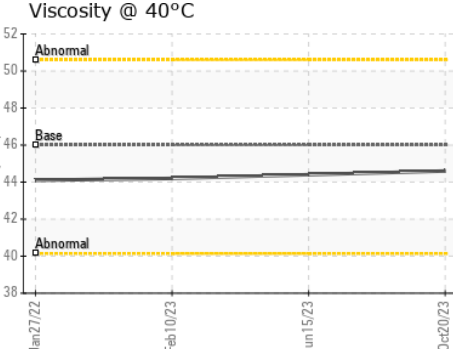
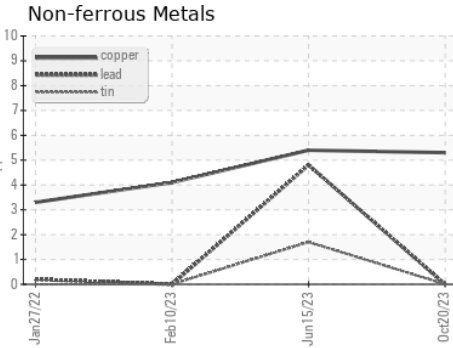
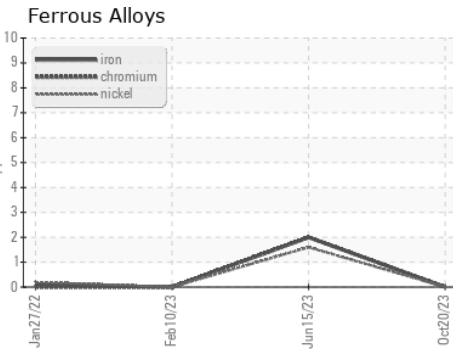


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	46	<b>44.6</b>	44.4	44.2

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05995734 **Received** : 01 Nov 2023  
**Lab Number** : **05995734** **Diagnosed** : 02 Nov 2023  
**Unique Number** : 10724094 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**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)

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