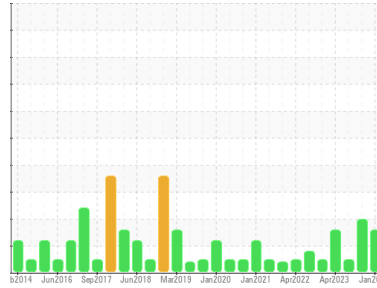




# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**KAESER ASD25T 4645459 (S/N 1081)**

Component  
**Compressor**  
Fluid  
**KAESER SIGMA (OEM) S-460 (--- GAL)**

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of particulates present 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>KC122252</b>	KC05982401	KC100513
Sample Date	Client Info	<b>09 Jan 2024</b>	10 Oct 2023	14 Jul 2023
Machine Age	hrs	<b>49133</b>	47930	46745
Oil Age	hrs	<b>0</b>	0	3000
Oil Changed	Client Info	<b>N/A</b>	N/A	Not Changd
Sample Status		<b>ATTENTION</b>	ABNORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >50	<b>0</b>	0	<1
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m >3	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185m >10	<b>2</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>13</b>	6	5
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	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>	0	0
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m	<b>2</b>	0	0
Magnesium	ppm	ASTM D5185m 90	<b>2</b>	2	12
Calcium	ppm	ASTM D5185m 2	<b>1</b>	0	0
Phosphorus	ppm	ASTM D5185m	<b>1</b>	<1	0
Zinc	ppm	ASTM D5185m	<b>22</b>	18	28

## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >25	<b>1</b>	0	0
Sodium	ppm	ASTM D5185m	<b>2</b>	1	0
Potassium	ppm	ASTM D5185m >20	<b>4</b>	0	1
Water	%	ASTM D6304 >0.05	<b>0.005</b>	0.005	0.007
ppm Water	ppm	ASTM D6304 >500	<b>54</b>	55.7	76.7

## FLUID CLEANLINESS

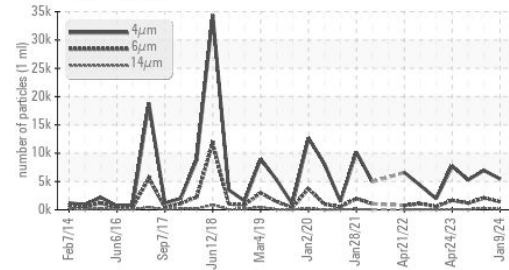
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>5443</b>	6967	5294
Particles >6µm	ASTM D7647 >1300	<b>▲ 1419</b>	▲ 2083	1176
Particles >14µm	ASTM D7647 >80	<b>▲ 93</b>	▲ 305	62
Particles >21µm	ASTM D7647 >20	<b>▲ 23</b>	▲ 134	15
Particles >38µm	ASTM D7647 >4	<b>1</b>	▲ 18	1
Particles >71µm	ASTM D7647 >3	<b>0</b>	3	0
Oil Cleanliness	ISO 4406 (c) >--/17/13	<b>▲ 20/18/14</b>	▲ 20/18/15	20/17/13

## FLUID DEGRADATION

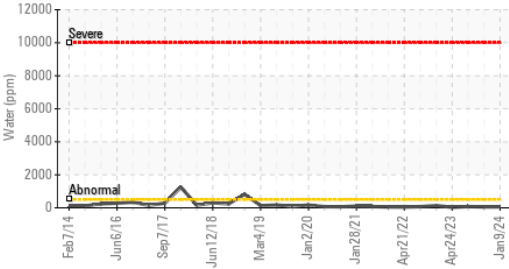
method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	<b>0.37</b>	0.36	0.37

# OIL ANALYSIS REPORT

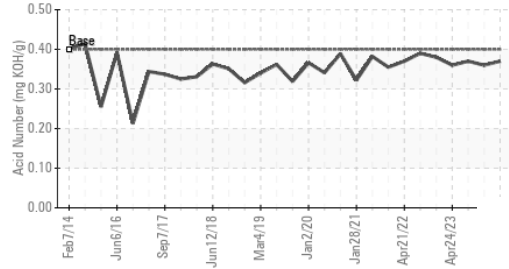
### Particle Trend



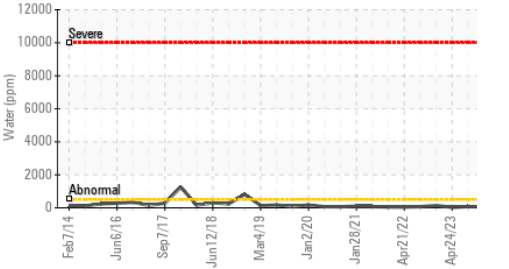
### Water (KF)



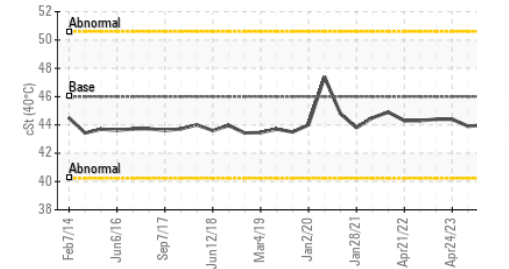
### Acid Number



### Water (KF)



### Viscosity @ 40°C

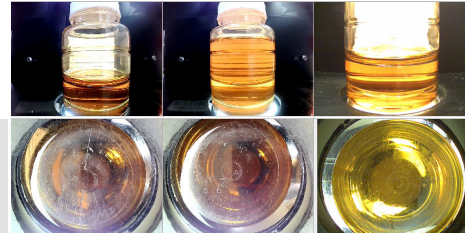


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	44.4	44.0	43.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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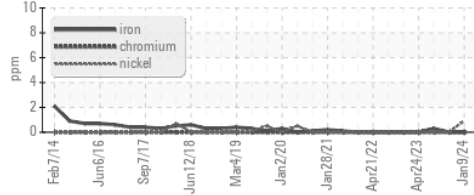
Color



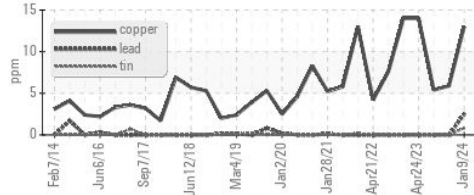
Bottom

### GRAPHS

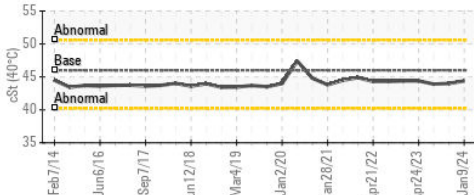
#### Ferrous Alloys



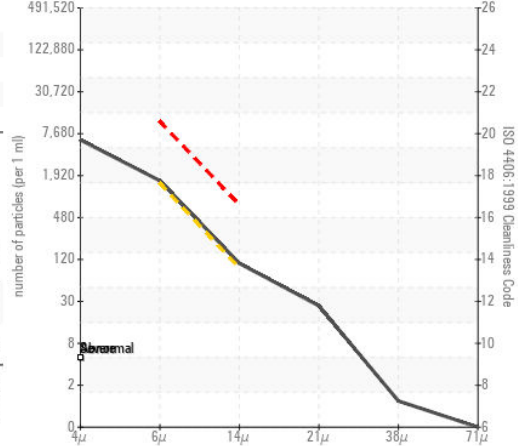
#### Non-ferrous Metals



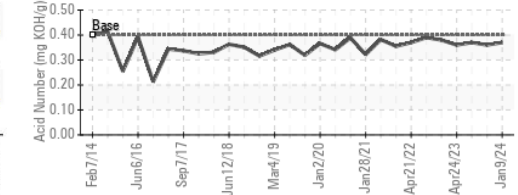
#### Viscosity @ 40°C



#### Particle Count



#### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KC122252 **Received** : 01 Feb 2024  
**Lab Number** : 06077678 **Diagnosed** : 04 Feb 2024  
**Unique Number** : 10859769 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**ACCRO TOOL ENTERPRISES**  
 401 HUNT VALLEY DR  
 NEW KENSINGTON, PA  
 US 15068  
 Contact:

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: