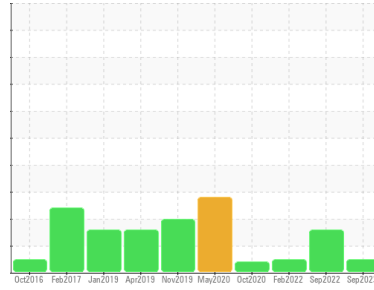




# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**KAESER ASD 40T 4624475 (S/N 2595)**

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

## 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 component. The amount and size of particulates present in the system is acceptable.

### 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>KCP40079D</b>	KCP46826	KCP10637	
Sample Date	Client Info	<b>12 Sep 2023</b>	25 Sep 2022	17 Feb 2022	
Machine Age	hrs	Client Info	<b>67913</b>	63187	59287
Oil Age	hrs	Client Info	<b>0</b>	4000	26087
Oil Changed	Client Info	<b>N/A</b>	Changed	Changed	
Sample Status		<b>NORMAL</b>	ABNORMAL	NORMAL	

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >50	<b>0</b>	0	3
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m >3	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m >3	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >10	<b>0</b>	0	1
Lead	ppm	ASTM D5185m >10	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>13</b>	13	4
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185m	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	<b>0</b>	0	<1
Barium	ppm	ASTM D5185m 90	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m 90	<b>0</b>	0	23
Calcium	ppm	ASTM D5185m 2	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	<b>0</b>	<1	0
Zinc	ppm	ASTM D5185m	<b>62</b>	49	52
Sulfur	ppm	ASTM D5185m	<b>18010</b>	20057	16724

## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >25	<b>0</b>	0	2
Sodium	ppm	ASTM D5185m	<b>1</b>	1	4
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	3
Water	%	ASTM D6304 >0.05	<b>0.007</b>	0.007	0.011
ppm Water	ppm	ASTM D6304 >500	<b>79</b>	78.7	110.6

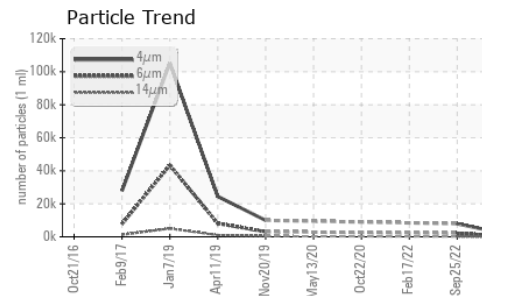
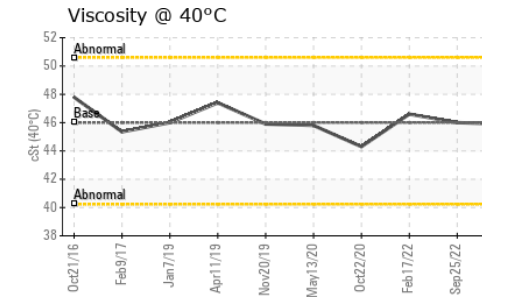
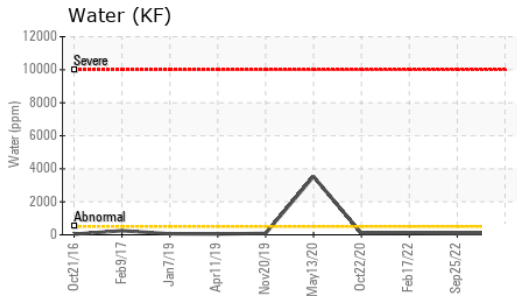
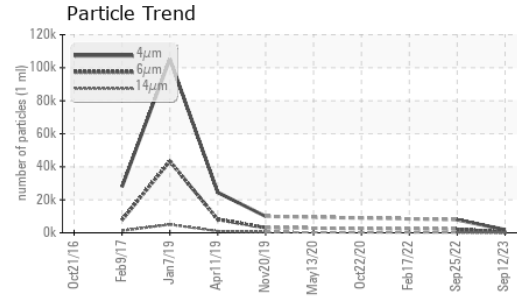
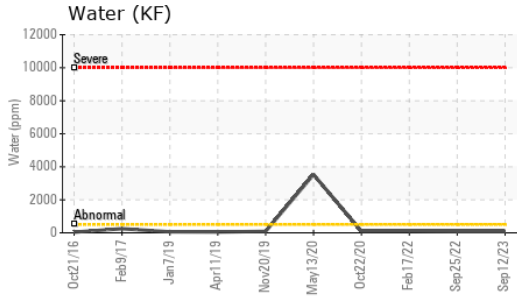
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>1872</b>	7898	---
Particles >6µm	ASTM D7647 >1300	<b>381</b>	▲ 2153	---
Particles >14µm	ASTM D7647 >80	<b>10</b>	▲ 175	---
Particles >21µm	ASTM D7647 >20	<b>2</b>	▲ 32	---
Particles >38µm	ASTM D7647 >4	<b>0</b>	2	---
Particles >71µm	ASTM D7647 >3	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c) >17/13	<b>16/10</b>	▲ 18/15	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	<b>0.41</b>	0.43	0.480

# OIL ANALYSIS REPORT

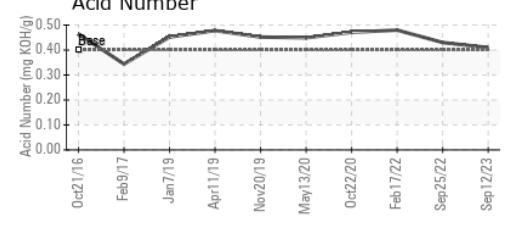
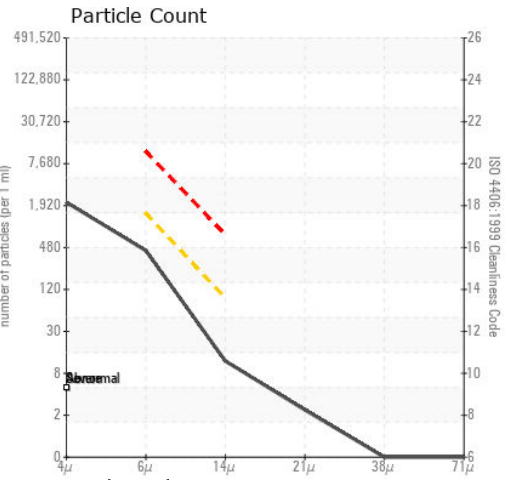
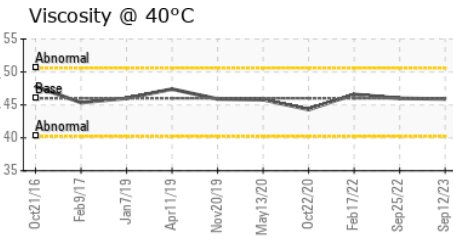
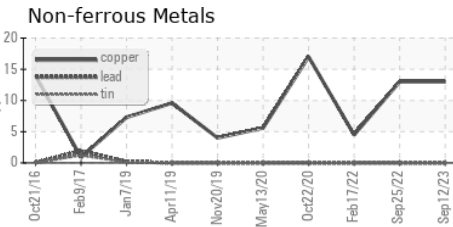
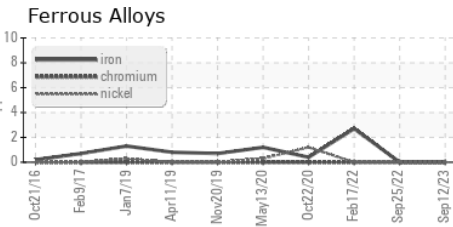


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	45.9	46.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KCP40079D **Received** : 30 Jan 2024  
**Lab Number** : 06073877 **Diagnosed** : 31 Jan 2024  
**Unique Number** : 10855968 **Diagnostician** : Don Baldrige

**AMADA AMERICA - ADVANTAGE METAL**  
 7855 SOUTHFRONT RD  
 LIVERMORE, CA  
 US 94551  
 Contact: AMP AP  
 AMP.AP@ADVANTAGEMETAL.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)

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F: