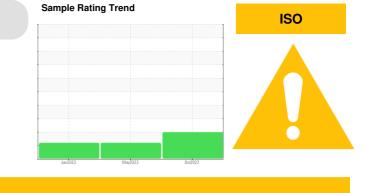


# **PROBLEM SUMMARY**

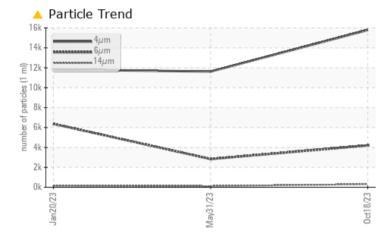
# KAESER CSD 100T 8290415 (S/N 3036)

Compressor



## KAESER SIGMA (OEM) S-460 (--- GAL)

## COMPONENT CONDITION SUMMARY



### 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.

## PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL		
Particles >6µm	ASTM D7647	>1300	<u> </u>	<b>A</b> 2835	<b>6</b> 370		
Particles >14µm	ASTM D7647	>80	<b>A</b> 306	<b>1</b> 12	<b>1</b> 58		
Particles >21µm	ASTM D7647	>20	<u> </u>	27	7		
Particles >38µm	ASTM D7647	>4	<u> </u>	1	0		
Oil Cleanliness	ISO 4406 (c)	>/17/13	<u> </u>	🔺 21/19/14	<b>1</b> /20/14		

Customer Id: MILCAMKY Sample No.: KCPA007609 Lab Number: 05997967 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

*To change component or sample information:* Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u> There are no recommended actions for this sample.

service.

#### HISTORICAL DIAGNOSIS

## 31 May 2023 Diag: Angela Borella

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.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further



#### 20 Jan 2023 Diag: Don Baldridge

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





## **OIL ANALYSIS REPORT**

# KAESER CSD 100T 8290415 (S/N 3036)

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

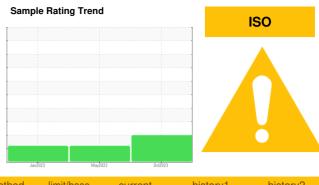
All component wear rates are normal.

## Contamination

There is a high amount of particulates present in the oil.

#### Fluid Condition

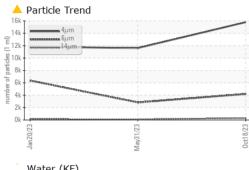
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

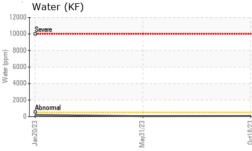


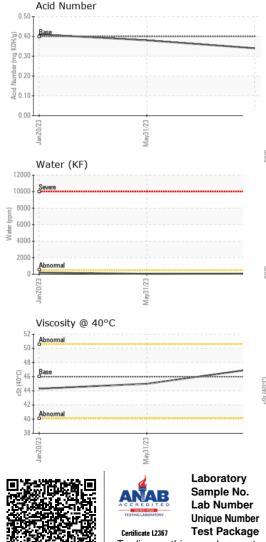
SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA007609	KCPA003907	KCP55781
Sample Date		Client Info		18 Oct 2023	31 May 2023	20 Jan 2023
Machine Age	hrs	Client Info		8099	4838	1992
Oil Age	hrs	Client Info		0	0	1992
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	2	1
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m		5	7	2
Tin	ppm	ASTM D5185m		<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	<1	3	27
Calcium	ppm	ASTM D5185m	2	1	0	0
Phosphorus	ppm	ASTM D5185m		1	<1	6
Zinc	ppm	ASTM D5185m		0	8	11
Sulfur	ppm	ASTM D5185m		14419	21104	20555
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Sodium	ppm	ASTM D5185m		0	2	5
Potassium	ppm	ASTM D5185m	>20	0	4	5
Water	%	ASTM D6304	>0.05	0.007	0.005	0.019
ppm Water	ppm	ASTM D6304	>500	73.5	54.9	197.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		15790	11619	11829
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u> </u>	<u> </u>
Particles >14µm		ASTM D7647	>80	<b>A</b> 306	<b>1</b> 12	<b>1</b> 58
Particles >21µm		ASTM D7647	>20	<mark>/</mark> 86	27	7
Particles >38µm		ASTM D7647	>4	<mark>/</mark> 5	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>A</b> 21/19/15	▲ 21/19/14	<b>1</b> /20/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.34	0.38	0.41



# **OIL ANALYSIS REPORT**







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	47.1	45.0	44.3
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color				a.		

Bottom

