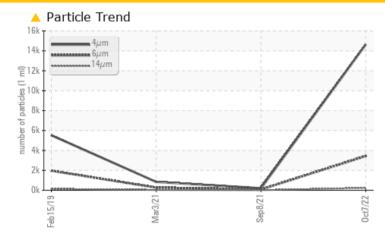


### **PROBLEM SUMMARY**

Machine Id KAESER SK 15T 5636678 (S/N 1692)

Component Compressor Fluid KAESER SIGMA (OEM) M-460 (--- GAL)

### COMPONENT CONDITION SUMMARY



### RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS							
Sample Status		ABNORMAL	NORMAL	NORMAL			
Particles >6µm	ASTM D7647 >1	300 🔺 <b>3439</b>	73	268			
Particles >14µm	ASTM D7647 >8	0 🔺 235	7	30			
Particles >21µm	ASTM D7647 >2	0 🔺 71	3	9			
Oil Cleanliness	ISO 4406 (c) >	-/17/13 🔺 21/19/15	13/10	15/12			

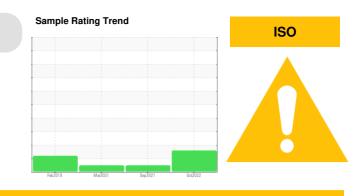
Customer Id: CARSANCA Sample No.: KCP49982 Lab Number: 05668205 Test Package: IND 2



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Fluid			?	Oil and filter change at the time of sampling has been noted.		
Change Filter			?	Oil and filter change at the time of sampling has been noted.		

### **HISTORICAL DIAGNOSIS**



### 08 Sep 2021 Diag: Don Baldridge

Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. 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.

### 03 Mar 2021 Diag: Don Baldridge



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. 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.

### 15 Feb 2019 Diag: Don Baldridge



Oil and 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 moderate amount of silt (particulates < 14 microns in size) present 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**

# KAESER SK 15T 5636678 (S/N 1692)

**Compressor** Fluid

KAESER SIGMA (OEM) M-460 (--- GAL)

### DIAGNOSIS

### Recommendation

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.

### Wear

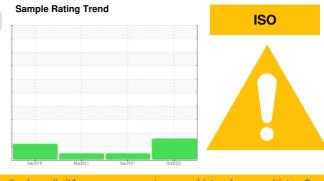
All component wear rates are normal.

### 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 INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		KCP49982	KCP37970	KCP27074
Sample Date		Client Info		07 Oct 2022	08 Sep 2021	03 Mar 2021
Machine Age	hrs	Client Info		19708	14777	11827
Oil Age	hrs	Client Info		4931	3000	3706
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
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	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>10	0	4	0
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	2	1	1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	1	<1
Barium	ppm	ASTM D5185m	90	0	14	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	100	39	54	56
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	11	6	2
Zinc	ppm	ASTM D5185m	0	<1	0	0
Sulfur	ppm	ASTM D5185m	23500	22817	16274	18122
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	3	3
Sodium	ppm	ASTM D5185m		8	7	11
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water	%	ASTM D6304	>0.05	0.012	0.022	0.017
ppm Water	ppm	ASTM D6304	>500	123.9	221.0	178.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		14643	204	842
Particles >6µm		ASTM D7647	>1300	<u> </u>	73	268
Particles >14µm		ASTM D7647	>80	<b>A</b> 235	7	30
Particles >21µm		ASTM D7647	>20	<u> </u>	3	9
Particles >38µm		ASTM D7647	>4	4	0	0
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>A</b> 21/19/15	13/10	15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

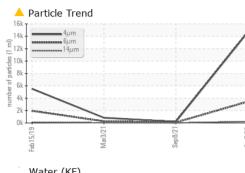
Acid Number (AN) mg KOH

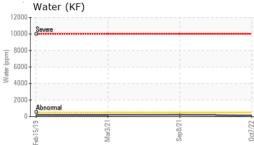
mg KOH/g ASTM D8045 1.0

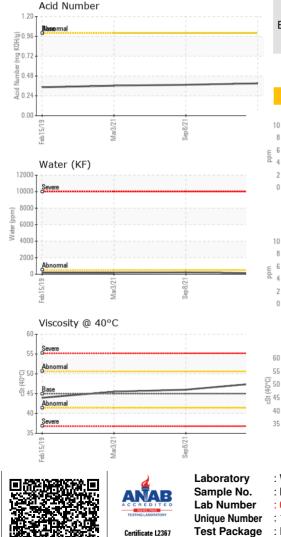
0.39 0.374 0.363 Contact/Location: WENDY SITKO - CARSANCA



## **OIL ANALYSIS REPORT**

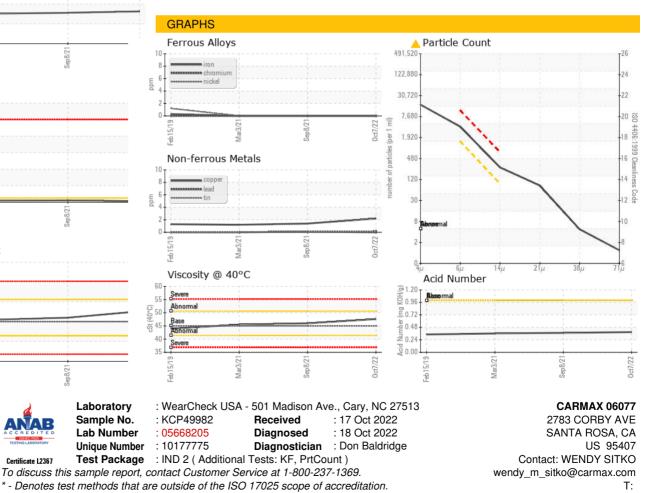






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	45	47.6	46.0	45.5
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
						1.

Bottom



\* - 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)

Contact/Location: WENDY SITKO - CARSANCA

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