

PROBLEM SUMMARY

Sample Rating Trend

ISO

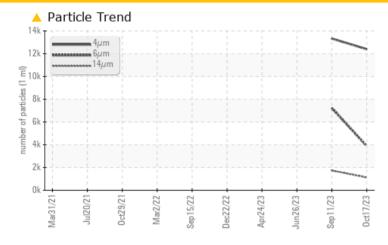
7136996 (S/N 1094)

Component

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	△ 3892	<u>^</u> 7221					
Particles >14µm	ASTM D7647	>80	1126	▲ 1737					
Particles >21µm	ASTM D7647	>20	608	<u>^</u> 735					
Particles >38µm	ASTM D7647	>4	^ 56	<u> 71</u>					
Oil Cleanliness	ISO 4406 (c)	>/17/13	21/19/17	<u>\</u> 21/20/18					

Customer Id: BOEGAI Sample No.: KC05994390 Lab Number: 05994390 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 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

11 Sep 2023 Diag: Don Baldridge

ISO



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 service.



26 Jun 2023 Diag: Angela Borella

VIS DEBRIS



The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. High concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



24 Apr 2023 Diag: Don Baldridge

NORMAL



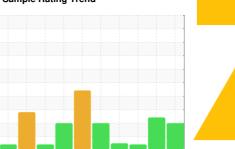
Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



ISO

7136996 (S/N 1094)

Compressor

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.

Mmz2021 Jul2021 Ocz2021 Mmz02022 Smp2022 Dmc2022 Aprz023 Jun2023 Smp2023 Ocz2023									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		KC05994390	KC05975743	KC05897470			
Sample Date		Client Info		17 Oct 2023	11 Sep 2023	26 Jun 2023			
Machine Age	hrs	Client Info		33739	32877	31036			
Oil Age	hrs	Client Info		0	0	0			
Oil Changed		Client Info		N/A	N/A	N/A			
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>50	<1	0	0			
Chromium	ppm	ASTM D5185m	>10	<1	0	0			
Nickel	ppm	ASTM D5185m	>3	0	0	0			
Titanium	ppm	ASTM D5185m	>3	0	0	<1			
Silver	ppm	ASTM D5185m	>2	0	0	0			
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1			
Lead	ppm	ASTM D5185m	>10	0	0	0			
Copper	ppm	ASTM D5185m	>50	<1	4	6			
Tin	ppm	ASTM D5185m	>10	<1	<1	0			
Vanadium	ppm	ASTM D5185m		0	0	<1			
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	20	0	0			
Molybdenum	ppm	ASTM D5185m		<1	0	0			
Manganese	ppm	ASTM D5185m		0	<1	0			
Magnesium	ppm	ASTM D5185m	90	<1	2	3			
Calcium	ppm	ASTM D5185m	2	0	2	0			
Phosphorus	ppm	ASTM D5185m		39	<1	<1			
Zinc	ppm	ASTM D5185m		20	0	0			
CONTAMINANTS		method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	3	<1	<1			
Sodium	ppm	ASTM D5185m		5	<1	1			
Potassium	ppm	ASTM D5185m	>20	0	0	3			
Water	%	ASTM D6304	>0.05	0.005	0.011	0.027			
ppm Water	ppm	ASTM D6304	>500	53.6	119.7	274.4			
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2			
Particles >4µm		ASTM D7647		12401	13331				
Particles >6µm		ASTM D7647	>1300	A 3892	<u> </u>				
Particles >14µm		ASTM D7647	>80	1126	▲ 1737				
Particles >21µm		ASTM D7647	>20	608	▲ 735				
Particles >38µm		ASTM D7647	>4	^ 56	<u>^</u> 71				
Particles >71µm		ASTM D7647	>3	3	5				
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> </u>	<u>\$\text{\Delta}\$ 21/20/18</u>				
FLUID DEGRADA	TION	method	limit/base	current	history1	history2			
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.54	0.40	0.39			



OIL ANALYSIS REPORT



Report Id: BOEGAI [WUSCAR] 05994390 (Generated: 11/02/2023 18:58:11) Rev: 1

Certificate L2367

Test Package

: IND 2

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)

Contact/Location: Service Manager - BOEGAI

T: F:

Contact: Service Manager