

PROBLEM SUMMARY

Sample Rating Trend



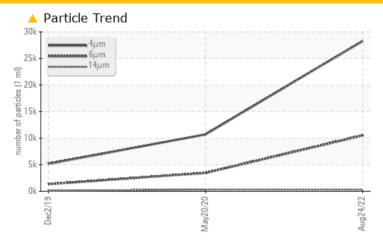
Machine Id **6621078 (S/N 1268)**

Component

Compressor

KAESER SIGMA (OEM) S-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	ABNORMAL	ATTENTION		
Particles >6µm	ASTM D7647	>1300	10532	<u>▲</u> 3455	<u>▲</u> 1333		
Particles >14μm	ASTM D7647	>80	A 314	▲ 326	△ 93		
Particles >21µm	ASTM D7647	>20	4 0	4 90	<u>^</u> 32		
Oil Cleanliness	ISO 4406 (c)	>/17/13	22/21/15	<u> </u>	▲ 18/14		

Customer Id: MSSSAD Sample No.: KC102943 Lab Number: 05636545 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

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

20 May 2020 Diag: Angela Borella





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.



02 Dec 2019 Diag: Jonathan Hester

ISO

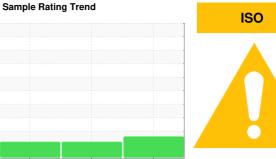


Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT



6621078 (S/N 1268)

Component

Compressor

KAESER SIGMA (OEM) S-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.

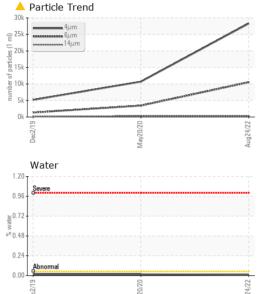
Fluid Condition

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

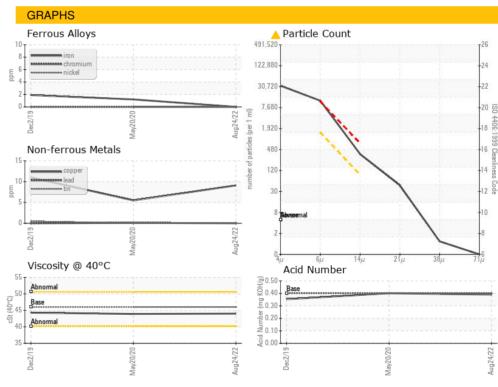
		Dec	2019	May2020 Aug20	22	
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number				KC102943	KC82608	KC82596
Sample Date				24 Aug 2022	20 May 2020	02 Dec 2019
Machine Age	hrs			12686	3236	2239
Oil Age	hrs			9450	998	2239
Oil Changed				Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	0	1	2
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m		<1	<1	1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m		9	6	11
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m	90	0	11	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	90	0	47	38
Calcium	ppm	ASTM D5185m	2	0	1	0
Phosphorus	ppm	ASTM D5185m		2	3	3
Zinc	ppm	ASTM D5185m		17	8	23
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	0	1	<1
Sodium	ppm	ASTM D5185m		0	12	10
Potassium	ppm	ASTM D5185m	>20	0	1	1
Water	%	ASTM D6304	>0.05	0.012	0.015	0.015
ppm Water	ppm	ASTM D6304	>500	122.0	156.0	151.1
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		28290	10708	5166
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u>▲</u> 3455	<u>1333</u>
Particles >14μm		ASTM D7647	>80	<u>^</u> 314	▲ 326	9 3
Particles >21μm		ASTM D7647	>20	40	4 90	▲ 32
Particles >38μm		ASTM D7647	>4	1	5	3
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>22/21/15</u>	<u> </u>	<u>▲</u> 18/14
FLUID DEGRADA	TION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.39	0.401	0.354



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	VLITE
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	TES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	46	44.0	43.9	44.3
SAMPLE IMAGES	3	method	limit/base	current	history 1	history 2
Color						
Bottom						







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10126075

: KC102943 : 05636545 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Sep 2022 Diagnosed Diagnostician : Don Baldridge

: 09 Sep 2022

M.S. SIGNS INC 208 N MIDLAND AVE SADDLEBROOK, NJ USA 07763

Contact: Service Manager

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: