



KAESER ESD 250 4353280 (S/N 1040)

Compressor

KAESER SIGMA (OEM) S-460 (--- QTS)

COMPONENT CONDITION SUMMARY









RECOMMENDATION

We advise that you check for a possible overheat condition. The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

PROBLEMATIC TEST RESULTS

THOBEEN THO T	LOTINE	00210					
Sample Status				ABNORMAL	ABNORMAL	NORMAL	
Water	%	ASTM D6304	>0.05	0.067	0.010	0.006	
ppm Water	ppm	ASTM D6304	>500	6 71.4	100	60	
Particles >6µm		ASTM D7647	>1300	<u> </u>	4 3727	83	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> </u>	2 3/19	14/11	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	<u> </u>	0.472	0.490	
Visc @ 40°C	cSt	ASTM D445	46	65.2	49.1	50.08	

Customer Id: RIVLOUKY Sample No.: KCPA009125 Lab Number: 05997999 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Check For Overheating			?	We advise that you check for a possible overheat condition.		

HISTORICAL DIAGNOSIS



23 Aug 2019 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 service.



view report

01 Apr 2019 Diag: Doug Bogart





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



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OIL ANALYSIS REPORT

Machine Id KAESER ESD 250 4353280 (S/N 1040) Component

Compressor Fluic

KAESER SIGMA (OEM) S-460 (--- QTS)

DIAGNOSIS

Recommendation

We advise that you check for a possible overheat condition. The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. There is a light concentration of water present in the oil.

Fluid Condition

The AN level is above the recommended limit. The oil viscosity is higher than normal. The oil is no longer serviceable.



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA009125	KCP16694	KCP16837
Sample Date		Client Info		27 Oct 2023	23 Aug 2019	01 Apr 2019
Machine Age	hrs	Client Info		33477	22096	19802
Oil Age	hrs	Client Info		0	2300	6618
Oil Changed		Client Info		N/A	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	1	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	7	12
Tin	ppm	ASTM D5185m	>10	0	0	0
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	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	1	0	0
Calcium	ppm	ASTM D5185m	2	1	0	0
Phosphorus	ppm	ASTM D5185m		0	<1	28
Zinc	ppm	ASTM D5185m		9	2	0
Sulfur	ppm	ASTM D5185m		194	20063	19068
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	>0.05	<u> </u>	0.010	0.006
ppm Water	ppm	ASTM D6304	>500	6 71.4	100	60
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		65461	112038	452
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u> </u>	83
Particles >14µm		ASTM D7647	>80	28	A 3625	11
Particles >21µm		ASTM D7647	>20	9	<u>∧</u> 731	3
Particles >38µm		ASTM D7647	>4	0	<u> </u>	0
Particles >71µm		ASTM D7647	>3	0	3	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	A 23/20/12	▲ 23/19	14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/a	ASTM D8045	0.4	1.60	0.472	0.490

Report Id: RIVLOUKY [WUSCAR] 05997999 (Generated: 11/08/2023 10:55:43) Rev: 1

Contact/Location: ? ? - RIVLOUKY



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60

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OIL ANALYSIS REPORT





