

PROBLEM SUMMARY

Sample Rating Trend



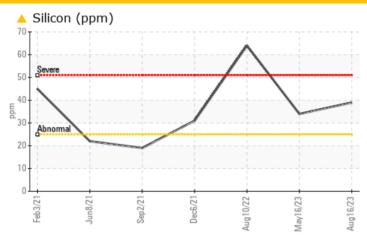
KAESER 7287050

Component

Compressor

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and 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	
Silicon	ppm	ASTM D5185m	>25	△ 39	▲ 34	<u>^</u> 64	

Customer Id: TREASH Sample No.: KC123199 Lab Number: 05930387 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
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

16 May 2023 Diag: Angela Borella

DIRT



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 moderate amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



10 Aug 2022 Diag: Doug Bogart

DINT



No corrective action is recommended at this time. 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 high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

06 Dec 2021 Diag: Doug Bogart

DIRT



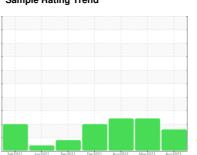
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



DIRT

KAESER 7287050

Component

Compressor

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

DIAGNOSIS

Recommendation

Oil and 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

Elemental level of silicon (Si) above normal indicating ingress of seal material. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

Machine Age hrs Client Info 8876 8089 6207 Oil Age hrs Client Info 6190 1384 2179 Oil Changed Client Info Changed Not Changed Changed Sample Status BABNORMAL ABNORMAL ABNORMAL ABNORMAL WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 <1 <1 Chromium ppm ASTM D5185m >10 0 0 0 Nickel ppm ASTM D5185m >3 0 <1 <1 Titanium ppm ASTM D5185m >3 0 0 <1 Aluminum ppm ASTM D5185m >2 0 0 <1 Lead ppm ASTM D5185m >10 0 0 <1 Copper ppm ASTM D5185m >10 0 <1 <1			Feb 2021	Jun2021 Sep2021	Dec2021 Aug2022 May2023	Aug2023		
Sample Date Client Info 16 Aug 2023 16 May 2023 10 Aug 2022 Machine Age hrs Client Info 6190 1384 2179 Changed Client Info Changed ABNORMAL ABN	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Machine Age hrs Client Info 6190 1384 2179	Sample Number		Client Info		KC123199	KC101226	KC102646	
Oil Age hrs Client Info 6190 1384 2179 Oil Changed Sample Status Client Info Changed ABNORMAL Not Changed Changed Changed ABNORMAL ABNORMAL ABNORMAL ABNORMAL ABNORMAL ABNOR	Sample Date		Client Info		16 Aug 2023	16 May 2023	10 Aug 2022	
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Sample Status method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 <1	Oil Age	hrs	Client Info		6190	1384	2179	
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 <1	Oil Changed		Client Info		Changed	Not Changd	Changed	
Iron	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
Chromium ppm ASTM D5185m >10 0 0 0 Nickel ppm ASTM D5185m >3 0 <1 <1 Tittanium ppm ASTM D5185m >2 0 0 <1 Silver ppm ASTM D5185m >2 0 0 <1 Aluminum ppm ASTM D5185m >10 0 0 <1 Lead ppm ASTM D5185m >10 0 0 <1 Lead ppm ASTM D5185m >10 0 <1 <1 Lead ppm ASTM D5185m >10 0 <1 <1 Antimony ppm ASTM D5185m 0 0 <1 <1 Antimony ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0	WEAR METALS		method	limit/base	current	history1	history2	
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Silver ppm ASTM D5185m >2 0 0 <1 Aluminum ppm ASTM D5185m >10 0 0 <1 Lead ppm ASTM D5185m >10 0 0 0 Copper ppm ASTM D5185m >50 12 6 19 Tin ppm ASTM D5185m >10 0 <1 <1 Antimony ppm ASTM D5185m 0 0 <1 <1 Antimony ppm ASTM D5185m 0 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Manganesium ppm ASTM D5185m 0 0 0 0 <td>Nickel</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>3</td> <th>0</th> <td><1</td> <td><1</td>	Nickel	ppm	ASTM D5185m	>3	0	<1	<1	
Alluminum	Titanium	ppm	ASTM D5185m	>3	0	0	0	
Lead ppm ASTM D5185m >10 0 0 0 Copper ppm ASTM D5185m >50 12 6 19 Tin ppm ASTM D5185m >10 0 <1 <1 Antimony ppm ASTM D5185m Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 0 0 Manganesium ppm ASTM D5185m 0 0 14 0 Calcium ppm ASTM D5185m 2 0 0 0	Silver	ppm	ASTM D5185m	>2	0	0	<1	
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Oil Cleanliness ISO 4406 (c) >/17/13 17/16/13 ▲ 19/17/14 ▲ 20/19/13 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>4	0	1	1	
Oil Cleanliness ISO 4406 (c) >/17/13 17/16/13 ▲ 19/17/14 ▲ 20/19/13 FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0	0	0	
	•		ISO 4406 (c)	>/17/13	17/16/13	△ 19/17/14	2 0/19/13	
Acid Number (AN) mg KOH/g ASTM D8045 0.4 0.38 0.37 0.34	FLUID DEGRADA	TION	method	limit/base	current	history1	history2	
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.38	0.37	0.34	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package

: KC123199 : 05930387

: 10615658 : IND 2

Received : 21 Aug 2023 Diagnosed Diagnostician

: 23 Aug 2023 : Jonathan Hester 1451 JACOBSON AVE ASHLAND, OH US 44805

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)

T: F: