

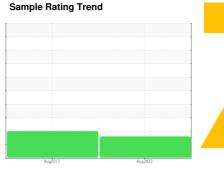
PROBLEM SUMMARY

ISO

KAESER BS 60 1627925 (S/N 10596)

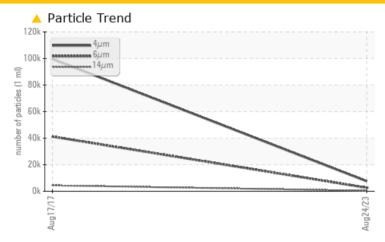
Compressor

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					
Particles >6µm	ASTM D7647	>1300	<u>^</u> 2641	<u>41203</u>					
Particles >14μm	ASTM D7647	>80	▲ 378	<u> </u> 4412					
Particles >21μm	ASTM D7647	>20	<u> </u>	<u>▲</u> 1076					
Oil Cleanliness	ISO 4406 (c)	>/17/13	20/19/16	23/19					

Customer Id: TRIJACMI Sample No.: KCPA005876 Lab Number: 06010846 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

17 Aug 2017 Diag: Jonathan Hester

ISO



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.





OIL ANALYSIS REPORT

Sample Rating Trend



KAESER BS 60 1627925 (S/N 10596)

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.

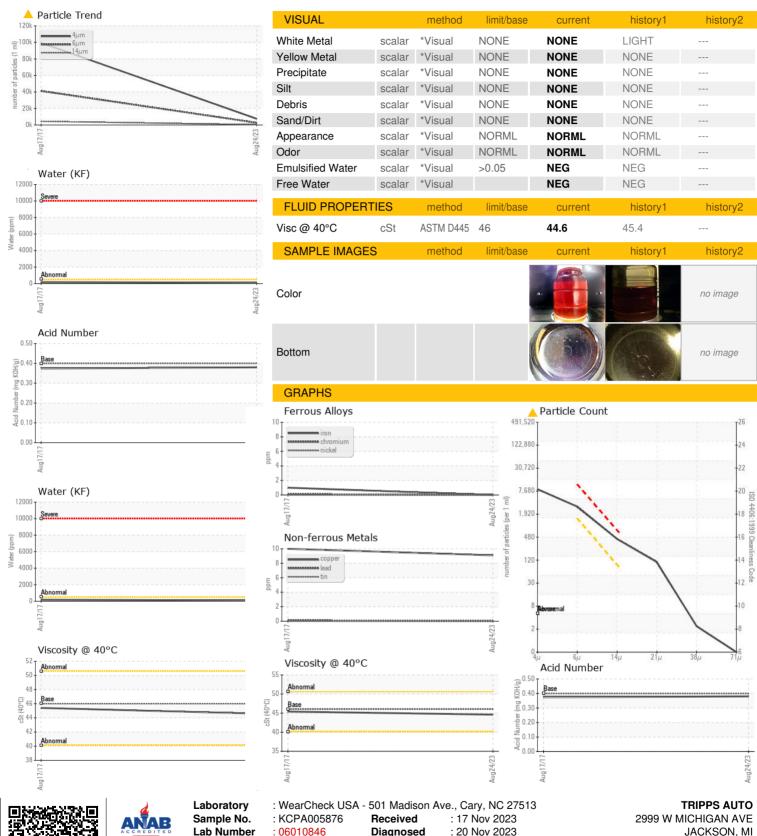
Fluid Condition

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

SAMPLE INFORMATION method limit/base current history1 history2				Aug2017	Aug2023		
Sample Number Client Info KCPA005876 KCP61914 Sample Date Client Info 24 Aug 2023 17 Aug 2017 Machine Age hrs Client Info 0 2600 Oil Age hrs Client Info N/A Not Changd Oil Changed Client Info N/A Not Changd WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 1 Chromium ppm ASTM D5185m >10 0 <1 Nickel ppm ASTM D5185m >3 0 0 Sillver ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >10 0 <1 Copper ppm ASTM D5185m >10 0 <1 Tin	SAMPLE INFORM	MATION	method	limit/hase	current	history1	history2
Sample Date Client Info 24 Aug 2023 17 Aug 2017		7771014		III III DAGC			
Machine Age hrs Client Info 54334 47063							
Oil Age hrs Client Info N/A Not Changd	•	hre			•	Ü	
Oil Changed Sample Status Client Info N/A ABNORMAL A							
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM 05185m >50 0 1 Chromium ppm ASTM 05185m >10 0 <1 Nickel ppm ASTM 05185m >3 0 0 Tittanium ppm ASTM 05185m >3 0 0 Silver ppm ASTM 05185m >10 0 <1 Aluminum ppm ASTM 05185m >10 0 <1 Lead ppm ASTM 05185m >10 0 <1 Copper ppm ASTM 05185m >10 0 <1 Tin ppm ASTM 05185m >10 0 0 Vanadium ppm ASTM 05185m 0 0 Cadmium ppm ASTM 05185m 0 0 1 <t< th=""><th>•</th><th>1115</th><th></th><th></th><th>-</th><th></th><th></th></t<>	•	1115			-		
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Chromium ppm ASTM D5185m >10 0 <1	WEAR METALS		method	limit/base	current		history2
Nickel	-						
Titanium					-		
Silver ppm ASTM D5185m >2 0 0					_		
Aluminum ppm ASTM D5185m >10 0 <1 Lead ppm ASTM D5185m >10 0 <1 Copper ppm ASTM D5185m >10 0 0 <1 Tin ppm ASTM D5185m >10 0 0 Tin ppm ASTM D5185m >10 0 0 Nath D5185m >10 0 0 Vanadium ppm ASTM D5185m 0 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 0 0 1 Molybdenum ppm ASTM D5185m 0 0 1 Manganese ppm ASTM D5185m 0 0 1 Manganese ppm ASTM D5185m 0 0 -1 Manganesium ppm ASTM D5185m 0 0 -1 Manganesium ppm ASTM D5185m 0 0 -1 Manganese ppm ASTM D5185m 0 0 Thosphorus ppm ASTM D5185m 2 0 0 Phosphorus ppm ASTM D5185m 2 11 Sulfur ppm ASTM D5185m 1 1 Sulfur ppm ASTM D5185m 2 1 15745 12574 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 1 6 Sodium ppm ASTM D5185m >20 0 -1 Water % ASTM D5185m >20 0 -1 Water % ASTM D5185m >20 0 -1 Potassium ppm ASTM D5185m 1 6 Potassium ppm ASTM D5185m 20 0 -1 Sodium ppm ASTM D5185m 1 1 6 Potassium ppm ASTM D5185m 20 0 -1 Water % ASTM D5185m >20 0 -1 Potassium ppm ASTM D5185m 20 0 -1 Potassium ppm ASTM D5185m 20 0 -1 Sodium ppm ASTM D5185m 20 0 -1 Potassium ppm ASTM D5185m 20 0 -1 Sodium ppm ASTM D5185m 20 0 -1 Potassium ppm ASTM D5185m 20 0 -1 Sodium ppm ASTM D5185m 20 0 -1 Potassium ppm ASTM D5185m 20 0 -1 Sodium ppm ASTM D5185m 20 0 -1 Sodium ppm ASTM D5185m 20 0 -1 Potassium ppm ASTM D5185m 20 0 -1 Potassium ppm							
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Manganese ppm ASTM D5185m 0 <1	Barium	ppm	ASTM D5185m	90	0	1	
Magnesium ppm ASTM D5185m 90 2 32 Calcium ppm ASTM D5185m 2 0 0 Phosphorus ppm ASTM D5185m 0 1 Zinc ppm ASTM D5185m 32 11 Sulfur ppm ASTM D5185m 15745 12574 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 0 <1 Sodium ppm ASTM D5185m >25 0 <1 Sodium ppm ASTM D5185m >20 0 <1 Potassium ppm ASTM D5185m >20 0 <1 Water % ASTM D6185m >20 0 <1 Papm Water ppm ASTM D6304 >500 111.2 180 -	Molybdenum	ppm	ASTM D5185m		0	<1	
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Silicon ppm ASTM D5185m >25 0 <1 Sodium ppm ASTM D5185m 1 6 Potassium ppm ASTM D5185m 20 0 <1 Water % ASTM D6304 >0.05 0.011 0.018 ppm Water ppm ASTM D6304 >500 111.2 180 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 7490 99548 Particles >6μm ASTM D7647 >1300 2641 41203 Particles >14μm ASTM D7647 >80 378 4412 Particles >21μm ASTM D7647 >20 994 1076 Particles >38μm ASTM D7647 >4 2 62 Particles >71μm ASTM D7647 >3 0 9 Oil Cleanliness ISO 4406 (c) >/17/13 20/19/16 23/19	Sulfur	ppm	ASTM D5185m		15745	12574	
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Particles >21μm ASTM D7647 >20 4 94 1076 Particles >38μm ASTM D7647 >4 2 62 Particles >71μm ASTM D7647 >3 0 9 Oil Cleanliness ISO 4406 (c) >/17/13 20/19/16 23/19	•		ASTM D7647	>80	▲ 378	<u>4412</u>	
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Particles >71μm ASTM D7647 >3 0 Δ 9 Oil Cleanliness ISO 4406 (c) >/17/13 Δ 20/19/16 Δ 23/19	•					△ 62	
Oil Cleanliness ISO 4406 (c) >/17/13 \(\Delta\) 20/19/16 \(\Delta\) 23/19				>3	0		
FLUID DEGRADATION method limit/base current history1 history2			ISO 4406 (c)	>/17/13	<u>^</u> 20/19/16	<u>\$\text{23/19}\$</u>	
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT





Lab Number **Unique Number**

Test Package

: 06010846

: 10749990

Diagnosed

: 20 Nov 2023 Diagnostician : Don Baldridge

: IND 2 (Additional Tests: KF, PrtCount)

US 49202 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: