

PROBLEM SUMMARY

Sample Rating Trend

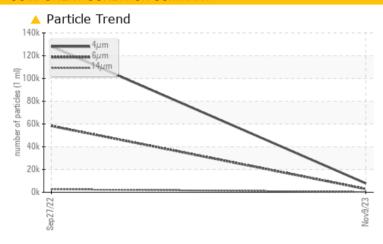
ISO

3798706 (S/N 1620)

Component Compressor

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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	2920	▲ 58287			
Particles >14µm	ASTM D7647	>80	252	<u>^</u> 2652			
Particles >21µm	ASTM D7647	>20	^ 72	<u>^</u> 251			
Oil Cleanliness	ISO 4406 (c)	>/17/13	20/19/15	24/23/19			

Customer Id: TWIENN Sample No.: KCPA011317 Lab Number: 06016407 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

27 Sep 2022 Diag: Doug Bogart

ISO



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. 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

3798706 (S/N 1620)

Component

Compressor

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

Sample Rating Trend



DIAGNOSIS

Recommendation

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 Number Client Info KCPA011317 KCP46815 Sample Date Client Info 09 Nov 2023 27 Sep 2022 Machine Age hrs Client Info 0 30000 Oil Age hrs Client Info 0 30000 Oil Changed Client Info N/A Changed Sample Status method limit/base current history1 his WEAR METALS method limit/base current history1 his Iron ppm ASTM D5185m >50 1 0 KEAR METALS method limit/base current history1 his Iron ppm ASTM D5185m >10 <1 0 Iron ppm ASTM D5185m >10 2 1 Silver ppm ASTM D5185m >10 2 1 Lead ppm A	
Sample Date Client Info 09 Nov 2023 27 Sep 2022	tory2
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Oil Age hrs Client Info N/A Changed	
Oil Changed Sample Status Client Info N/A ABNORMAL Changed ABNORMAL	
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WEAR METALS method limit/base current history1 his Iron ppm ASTM D5185m >50 1 0	
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Nickel ppm ASTM D5185m >3 <1 0	
Titanium ppm ASTM D5185m >3 <1 0	
Silver ppm ASTM D5185m >2 0 0	
Aluminum ppm ASTM D5185m >10 2 1 1 Lead ppm ASTM D5185m >10 0 0 0 Copper ppm ASTM D5185m >50 11 5 Tin ppm ASTM D5185m >50 11 5 Tin ppm ASTM D5185m >10 <1 <1 < Vanadium ppm ASTM D5185m >10 <1 < Vanadium ppm ASTM D5185m >10 <1 < Vanadium ppm ASTM D5185m >10 <1 < Cadmium ppm ASTM D5185m <1 0 < Water ppm ASTM D5185m 0 0 0 0 0 ADDITIVES method limit/base current history1 his Boron ppm ASTM D5185m 0 0 0 0 0 Barium ppm ASTM D5185m 90 0 0 0 Molybdenum ppm ASTM D5185m 0 <1 <1 <1 Wanganese ppm ASTM D5185m 0 <1 <1 <-1 < Wanganesium ppm ASTM D5185m 100 21 0 Calcium ppm ASTM D5185m 0 <-1 0 Calcium ppm ASTM D5185m 0 30 274 Sulfur ppm ASTM D5185m 0 95 31 Sulfur ppm ASTM D5185m 0 95 31 Sulfur ppm ASTM D5185m 23500 19152 1309 CONTAMINANTS method limit/base current history1 his Silicon ppm ASTM D5185m >25 <1 2 Sodium ppm ASTM D5185m >20 2 0 Water % ASTM D5185m >20 2 0 Water % ASTM D6304 >0.05 0.019 0.011 ppm Water ppm ASTM D647 7902 128071 FLUID CLEANLINESS method limit/base current history1 his Particles >4μm ASTM D7647 >1300 2920 58287 Particles >521μm ASTM D7647 >20 72 525 Particles >21μm ASTM D7647 >20 72 525 Particles >21μm ASTM D7647 >20 72 525	
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Particles >21μm ASTM D7647 >20 Δ 72 Δ 251	
Particles >38μm ASTM D7647 >4 3 Δ 20	
Particles >71µm ASTM D7647 >3 0 3	
Oil Cleanliness ISO 4406 (c) >/17/13 \(\Delta 20/19/15 \) 24/23/19	
FLUID DEGRADATION method limit/base current history1 his	tory2
Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.31 0.20	



OIL ANALYSIS REPORT





Sample No. Lab Number **Unique Number**

: KCPA011317 : 06016407 : 10755551

Received Diagnosed

Diagnostician : Jonathan Hester

: 28 Nov 2023

Contact/Location: Service Manager - TWIENN

Contact: Service Manager

Test Package : IND 2 (Additional Tests: KF, PrtCount) Certificate L2367 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)

ENNIS, TX

US 75120

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