

PROBLEM SUMMARY

KAESER 8048042

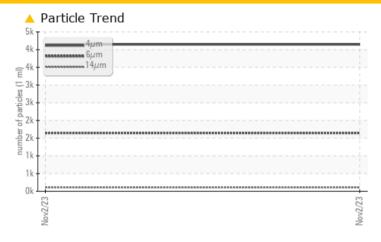
Component

Compressor

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

Sample Rating Trend ISO

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			ATTENTION						
Particles >6µm	ASTM D7647	>1300	1646						
Particles >14µm	ASTM D7647	>80	<u> </u>						
Oil Cleanliness	ISO 4406 (c)	>/17/13	19/18/14						

Customer Id: KUMENG Sample No.: KCPA007115 **Lab Number:** 06001595 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



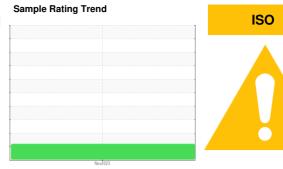
OIL ANALYSIS REPORT

KAESER 8048042

Component

Compressor

KAESER SIGMA (OEM) M-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 moderate amount of particulates present in the oil.

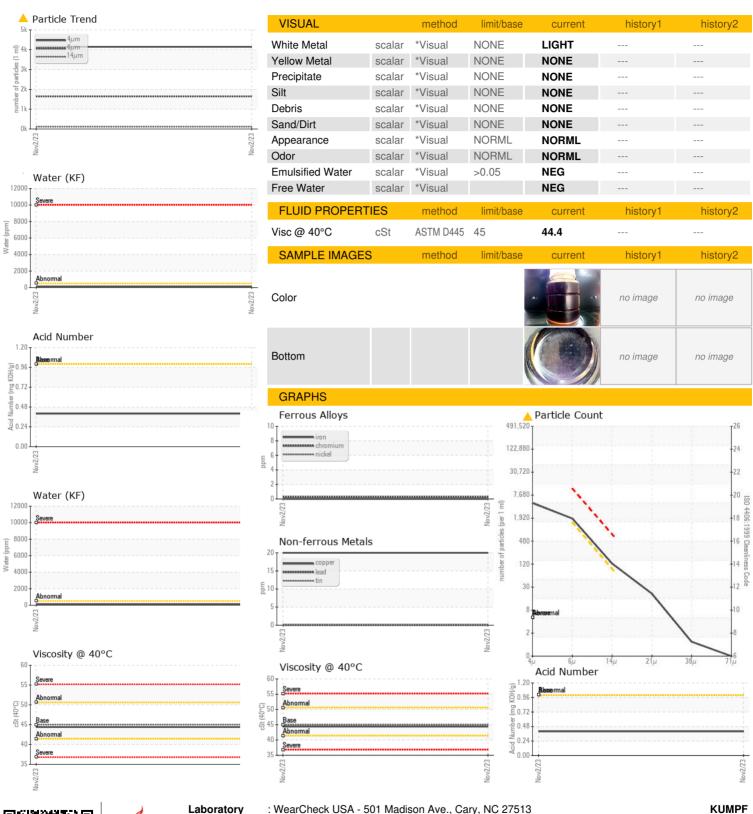
Fluid Condition

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 Sample Date Client Info 02 Nov 2023					Nov2023		
Sample Date Client Info 02 Nov 2023	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 5673 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status Brown ATTENTION WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >3 0 Nickel ppm ASTM D5185m >3 0 Titanium ppm ASTM D5185m >2 0 Aluminum ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0 <td< td=""><td>Sample Number</td><td></td><td>Client Info</td><td></td><th>KCPA007115</th><td></td><td></td></td<>	Sample Number		Client Info		KCPA007115		
Oil Age hrs Client Info N/A Oil Changed Client Info N/A Sample Status method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >50 0 Nickel ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >10 2 Aluminum ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m 0 0 Copper ppm ASTM D5185m 0 0	Sample Date		Client Info		02 Nov 2023		
Oil Changed Sample Status Client Info N/A	Machine Age	hrs	Client Info		5673		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 <1	Oil Age	hrs	Client Info		0		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 Nickel ppm ASTM D5185m >3 0 Nickel ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 0 Aluminum ppm ASTM D5185m >10 2 Aluminum ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0 0<	Oil Changed		Client Info		N/A		
Iron	Sample Status				ATTENTION		
Chromium ppm ASTM D5185m >10 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>50	0		
Titanium ppm ASTM D5185m >3 0	Chromium	ppm	ASTM D5185m	>10	<1		
Silver	Nickel	ppm	ASTM D5185m	>3	0		
Aluminum	Titanium	ppm	ASTM D5185m	>3	0		
Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 20 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 0 0 Manganese ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 1 Calcium ppm ASTM D5185m 0 1 Sulfur ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 23500 17975 <td>Silver</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>2</td> <th>0</th> <td></td> <td></td>	Silver	ppm	ASTM D5185m	>2	0		
Copper ppm ASTM D5185m >50 20 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 100 <-1	Aluminum	ppm	ASTM D5185m	>10	2		
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Magnesium ppm ASTM D5185m 100 <1 Calcium ppm ASTM D5185m 0 1 Phosphorus ppm ASTM D5185m 0 0 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 23500 17975 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 25 <1	Molybdenum	ppm	ASTM D5185m	0	0		
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Sulfur ppm ASTM D5185m 23500 17975 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1	Phosphorus	ppm	ASTM D5185m	0	0		
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Particles >14μm ASTM D7647 >80 ▲ 110 Particles >21μm ASTM D7647 >20 18 Particles >38μm ASTM D7647 >4 1 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >/17/13 19/18/14 FLUID DEGRADATION method limit/base current history1 history2			ASTM D7647	>1300	1646		
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	•						
	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT





Certificate L2367

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 06001595

: KCPA007115 : 10729955

Received Diagnosed

: 08 Nov 2023 : 10 Nov 2023 Diagnostician : Jonathan Hester Test Package : IND 2 (Additional Tests: KF, PrtCount)

US 80110 Contact: Service Manager

500 S BROADWAY

ENGLEWOOD, CO

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: