

PROBLEM SUMMARY

DV

Sample Rating Trend

WATER

KAESER 8436526

Component

Compressor

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend an early resample in 500 hours to monitor this condition. We advise that you stop the unit and follow the water drain-off procedure for this component.

PROBLEMATIC TEST RESULTS												
Sample Status				ABNORMAL								
Water	%	ASTM D6304	>0.05	△ 0.150								
ppm Water	ppm	ASTM D6304	>500	1500								

Customer Id: CHEMTJ Sample No.: KCPA005181 Lab Number: 05934362 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@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



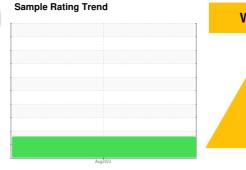
OIL ANALYSIS REPORT

KAESER 8436526

Component

Compressor

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





DIAGNOSIS

Recommendation

We recommend an early resample in 500 hours to monitor this condition. We advise that you stop the unit and follow the water drain-off procedure for this component.

Wear

All component wear rates are normal.

Contamination

There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

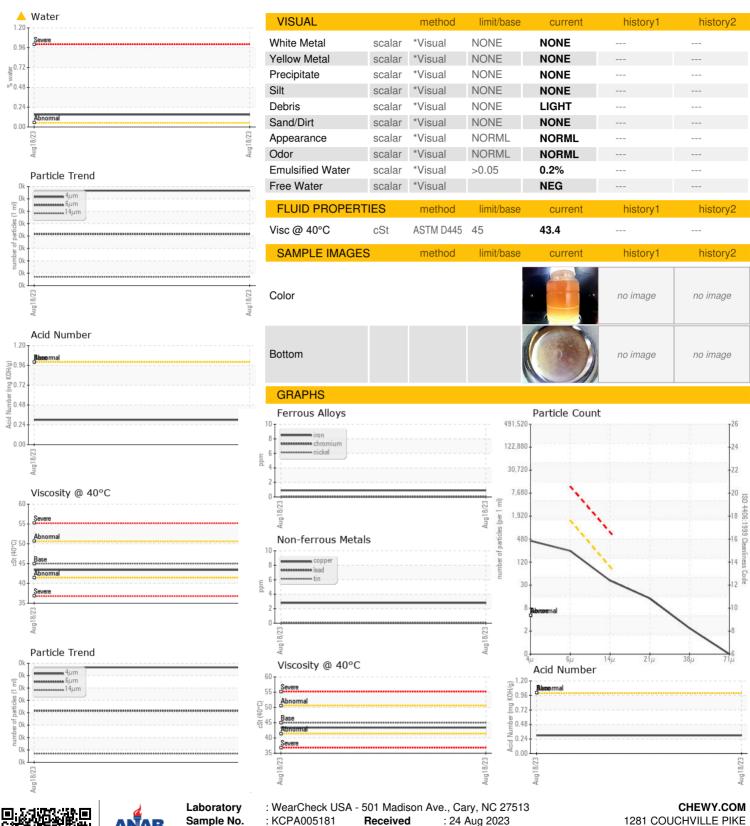
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sample Number Sample Date Client Info 18 Aug 2023					Aug2023		
Sample Date Client Info 18 Aug 2023	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 0 0 0 0 0 0	Sample Number		Client Info		KCPA005181		
Oil Age hrs Client Info 0	Sample Date		Client Info		18 Aug 2023		
Cilient Info N/A	Machine Age	hrs	Client Info		2504		
Sample Status MBNORMAL WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 <1	Oil Age	hrs	Client Info		0		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 <1	Oil Changed		Client Info		N/A		
Iron	Sample Status				ABNORMAL		
Chromium ppm ASTM D5185m >10 0 Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 0 Aluminum ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >50 3 Lead ppm ASTM D5185m >50 3 Copper ppm ASTM D5185m 10 0 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0 Boron ppm ASTM D5185m 0 0 Malgenesium ppm ASTM D5185m 0 <	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >3 0	Iron	ppm	ASTM D5185m	>50	<1		
Titanium ppm ASTM D5185m >3 0	Chromium	ppm	ASTM D5185m	>10	0		
Silver	Nickel	ppm	ASTM D5185m	>3	0		
Asymptotics Asymptotics	Titanium	ppm	ASTM D5185m	>3	0		
Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 3 Tin ppm ASTM D5185m 10 0 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0 ADDTIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 90 23 Manganese ppm ASTM D5185m 0 0 Manganese ppm ASTM D5185m 0 <1	Silver	ppm	ASTM D5185m	>2	0		
Copper ppm ASTM D5185m >50 3 Fin 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 90 23 Molybdenum ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 42 Magnesium ppm ASTM D5185m 0 <1	Aluminum	ppm	ASTM D5185m	>10	0		
ASTM D5185m D	_ead	ppm	ASTM D5185m	>10	0		
Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Borron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 90 23 Molybdenum ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 42 Magnesium ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 0 <1 Calcium ppm ASTM D5185m 0 <1 Phosphorus ppm ASTM D5185m 0 5 Sulfur ppm ASTM D5185m 0 5	Copper	ppm	ASTM D5185m	>50	3		
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Barium ppm ASTM D5185m 90 23	ADDITIVES		method	limit/base	current	history1	history2
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Zinc ppm ASTM D5185m 0 5 Sulfur ppm ASTM D5185m 23500 19795 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 1 Sodium ppm ASTM D5185m >20 5 Potassium ppm ASTM D5185m >20 5 Water % ASTM D6304 >0.05 ▲ 0.150 water % ASTM D6304 >0.05 ▲ 0.150 ppm Water ppm ASTM D6304 >500 ▲ 1500 FLUID CLEANLINESS method limit/base current history1 history2 Particles > 4μm ASTM D7647 >80 35 Particles >21μm ASTM D7647 >4	Calcium	ppm	ASTM D5185m	0	<1		
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CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 1 Sodium ppm ASTM D5185m 4 Potassium ppm ASTM D5185m >20 5 Water % ASTM D6304 >0.05 ▲ 0.150 opm Water ppm ASTM D6304 >500 ▲ 1500 Particles >4µm ASTM D7647 383 Particles >6µm ASTM D7647 >80 35 Particles >21µm ASTM D7647 >20 12 Particles >38µm ASTM D7647 >4 2 Particles >71µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 Particles	Zinc	ppm	ASTM D5185m	0	5		
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Sodium	Silicon	nnm	ASTM D5185m	>25	1		
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Particles >14μm ASTM D7647 >80 35 Particles >21μm ASTM D7647 >20 12 Particles >38μm ASTM D7647 >4 2 Particles >71μm ASTM D7647 >3 0 Dil Cleanliness ISO 4406 (c) >/17/13 16/15/12 FLUID DEGRADATION method limit/base current history1 history2	·			>1300			
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Oil Cleanliness ISO 4406 (c) >/17/13 16/15/12 FLUID DEGRADATION method limit/base current history1 history2	·						
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Sample No. Lab Number **Unique Number**

: KCPA005181

: 05934362 : 10619633

Diagnosed

: 24 Aug 2023 : 30 Aug 2023

Diagnostician : Angela Borella

MT JOLIET, TN US 37122 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)

T: F: