

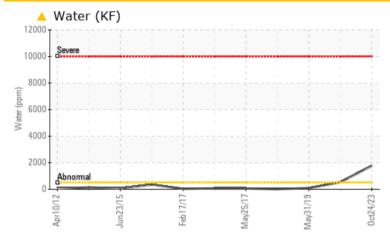
PROBLEM SUMMARY

KAESER SM 15 4247637 (S/N 1062)

Compressor

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	ATTENTION		
Water	%	ASTM D6304	>0.05	A 0.177	▲ 0.053	0.009		
ppm Water	ppm	ASTM D6304	>500	1770	5 30	90		

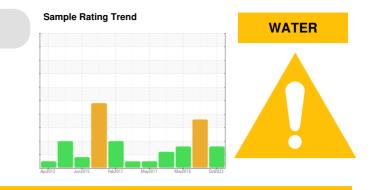
Customer Id: GFMDAN Sample No.: KCPA004562 Lab Number: 05996303 Test Package: IND 2



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 <u>customerservice@wearcheck.com</u>



There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

14 Oct 2021 Diag: Doug Bogart



Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. Free water present. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

31 May 2019 Diag: Angela Borella



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.An increase in the aluminum level is noted. All other component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.





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







OIL ANALYSIS REPORT

Machine Id KAESER SM 15 4247637 (S/N 1062)

Compressor

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

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

Wear

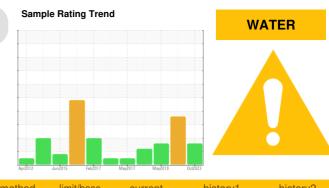
All component wear rates are normal.

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 suitable for further service.



aampie DateClient Info24 Oct 202314 Oct 202131 May 2019Atachine AgehrsClient Info411573558034285bil AgehrsClient Info01295932bil ChangedClient InfoNAABNORMALATTENTIONWEAR METALSmethodimit/basecurrenthistory1history2onppmASTM 05185m>50955chromiumppmASTM 05185m>300<1itikelppmASTM 05185m>300<1itikelppmASTM 05185m>300<1itikelppmASTM 05185m>3000outminumppmASTM 05185m>10000opperppmASTM 05185m>10000opperppmASTM 05185m>10000addiniumppmASTM 05185m<1000ASTM 05185m>1000000ADDTIVESmethodlimit/basecurrenthistory1history2foronppmASTM 05185m0<100ASTM 05185m00<10<10ASTM 05185m00<10<10ASTM 05185m00<10<10ASTM 05185m00<10<1 <th>SAMPLE INFORM</th> <th>IATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
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Agnesium ppm ASTM D5185m <1	Molybdenum	ppm	ASTM D5185m		0	0	0
Data ppm ASTM D5185m 0 0 <1	Manganese	ppm	ASTM D5185m		0	0	<1
Phosphorus ppm ASTM D5185m 500 246 156 423 Sinc ppm ASTM D5185m 202 123 135 Sulfur ppm ASTM D5185m 1373 1259 1329 CONTAMINANTS method limit/base current history1 history2 Solicon ppm ASTM D5185m >25 9 2 4 Solicon ppm ASTM D5185m >25 9 2 4 Solicon ppm ASTM D5185m >20 3 0 0 Sodium ppm ASTM D5185m >20 3 0 0 Vater % ASTM D6304 >0.05 ▲ 0.177 ▲ 0.053 0.009 pm Water ppm ASTM D7647 S633 1931 Particles >4µm ASTM D7647 >1300 867 603 Particles >6µm ASTM D7647 >80 26 A87	Magnesium	ppm	ASTM D5185m		<1	0	<1
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BulfurppmASTM D5185m137312591329CONTAMINANTSmethodlimit/basecurrenthistory1history2SoliconppmASTM D5185m>25924SoliconppmASTM D5185m>203<1	Phosphorus	ppm	ASTM D5185m	500	246	156	423
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	Particles >38µm		ASTM D7647	>4	1		3
Nil Clean linean $100.4400 \times 17/10$ $00/47/40$	Particles >71µm		ASTM D7647	>3	0		0
110 Clear infress 130 4400 (c) > -/1//13 20/17/12 16/14	Oil Cleanliness		ISO 4406 (c)	>/17/13	20/17/12		▲ 16/14

Acid Number (AN) m

FLUID DEGRADATION

mg KOH/g ASTM D8045 1.5

method

limit/base

0.70 0.34 1.399 Contact/Location: SERVICE MANAGER ? - GFMDAN

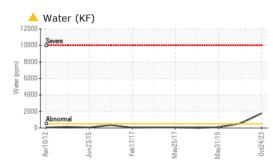
history1

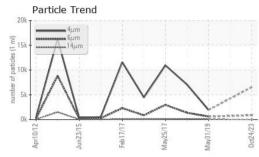
current

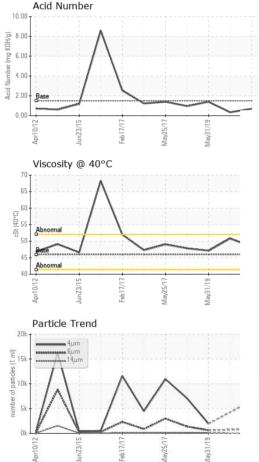
history2



OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG	NEG
Free Water	scalar	*Visual		NEG	<u>▲</u> 1.0	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	48.4	50.8	47.1
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						

Bottom

