

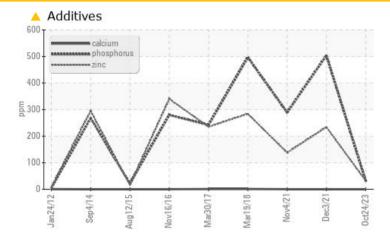
PROBLEM SUMMARY

KAESER SK 20 4211273 (S/N 1062)

Compressor

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC	TEST R	ESULTS			
Sample Status			ATTENTION	ABNORMAL	ABNORMAL
Phosphorus	ppm	ASTM D5185m	<u> </u>	504	289
Zinc	ppm	ASTM D5185m	A 32	234	138

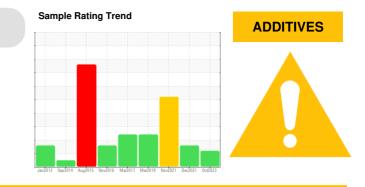
Customer Id: ORCFOR Sample No.: KC102962 Lab Number: 06001607 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>



RECOMMENDED	IENDED ACTIONS				
Action	Status	Date	Done By	Description	
Change Fluid			?	Oil and filter change at the time of sampling has been noted.	
Change Filter			?	Oil and filter change at the time of sampling has been noted.	

HISTORICAL DIAGNOSIS





Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Aluminum ppm levels are abnormal. Iron ppm levels are noted. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

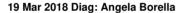


view report

04 Nov 2021 Diag: Jonathan Hester



We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend you service the filters on this component. 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. The aluminum level is abnormal. All other component wear rates are normal. Appearance is hazy. Free water present. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







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







OIL ANALYSIS REPORT

KAESER SK 20 4211273 (S/N 1062)

Compressor Fluid

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

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

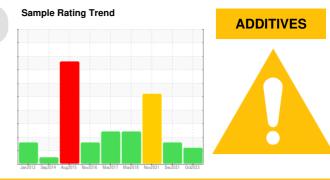
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

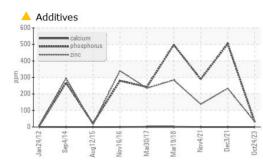
Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

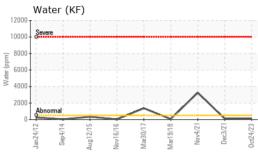


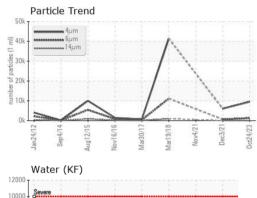
Oil Age hrs Client Info 0 3000 50 Oil Changed Client Info Changed Not Changed Not Changed Sample Status method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 ▲ 31 2 Chromium ppm ASTM D5185m >3 0 0 0 Nickel ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >10 2 ▲ 33 ▲ 20 Lead ppm ASTM D5185m >10 0 0 0 Capper ppm ASTM D5185m >10 0 0 0 Cadmium ppm ASTM D5185m >10 0 0 0 Astm D5185m 0 0 0 0 1 1 Astm D5185m 0 0 0 0 1 Boron <	SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
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Particles >71μm ASTM D7647 >3 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 20/17/13 16/13 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>20	9	17	
Oil Cleanliness ISO 4406 (c) >/17/13 20/17/13 16/13 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>4	0	0	
Oil Cleanliness ISO 4406 (c) >/17/13 20/17/13 16/13 FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0	0	
	Oil Cleanliness		ISO 4406 (c)	>/17/13	20/17/13	16/13	
Acid Number (AN) mg KOH/g ASTM D8045 0.4 0.67 1.210 0.798	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.67	1.210	0.798



OIL ANALYSIS REPORT







Water (ppm)

600

4000

200

52

5

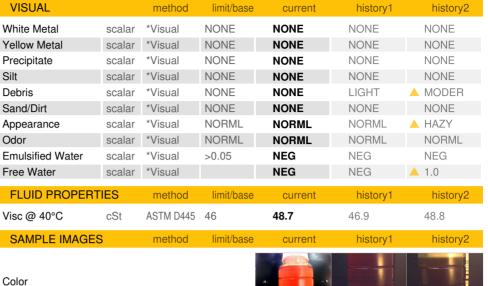
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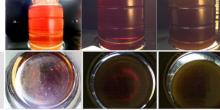
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43

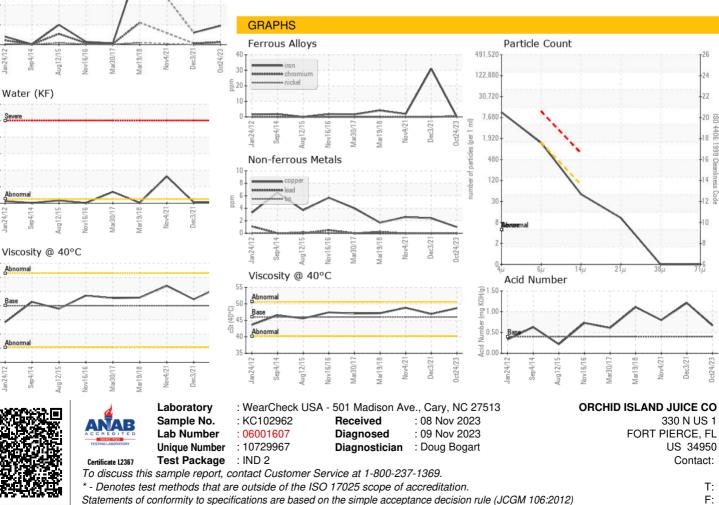
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Contact/Location: ? ? - ORCFOR