

PROBLEM SUMMARY

8114066 (S/N 1557)

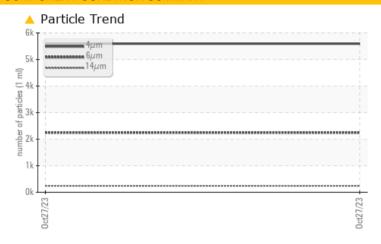
Component

Compressor

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

Sample Rating Trend ISO

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 T	EST RESULTS			
Sample Status			ABNORMAL	
Particles >6μm	ASTM D7647	>1300	<u>2246</u>	
Particles >14μm	ASTM D7647	>80	<u> </u>	
Particles >21µm	ASTM D7647	>20	<u>▲</u> 57	
Oil Cleanliness	ISO 4406 (c)	>/17/13	A 20/18/15	

Customer Id: TEMBUR Sample No.: KC102117 Lab Number: 06000501 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						
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 ANALYSIS REPORT

8114066 (S/N 1557)

Compressor

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

Sample Rating Trend ISO

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 a high amount of particulates present in the oil.

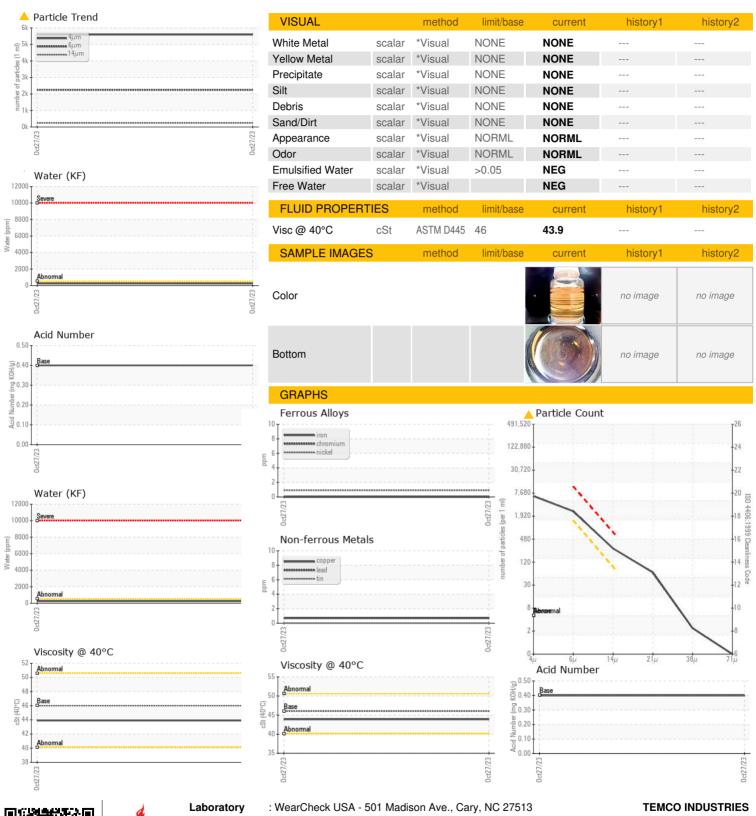
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Nickel ppm ASTM D5185m >3 <1 Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 0 Aluminum ppm ASTM D5185m >10 <1 Lead ppm ASTM D5185m >10 <1 Copper ppm ASTM D5185m >50 <1 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m >0 0 Cadmium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 Boron ppm ASTM D5185m 0 10 Molybdenum ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 2 2 Phosphorus ppm ASTM D5185m 2 2 Zinc ppm ASTM D5185m 2 2 Silicon ppm ASTM D5185m 0 CONTAMINANTS method limit/base current history1 Silicon ppm ASTM D5185m 2 Sodium ppm ASTM D5185m 13 CONTAMINANTS method limit/base current history1 Silicon ppm ASTM D5185m 2 Sodium ppm ASTM D5185m 2 FULID CLEANLINESS method limit/base current history1 Particles >4μm ASTM D7647 5595 Particles >6μm ASTM D7647 >80 2246 Particles >6μm ASTM D7647 >80 2411 Particles >2μμm ASTM D7647 >80 2411 Particles >38μm ASTM D7647 >40 2	
Sample Date Client Info 1220	history2
Machine Age hrs Client Info 970	
Oil Age	
Coli Changed Colient Info Changed Changed	
WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 <1	
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Particles >38μm ASTM D7647 >4 2	
1071/ 070/	
Particles >71µm ASTM D7647 >3 0	
Oil Cleanliness ISO 4406 (c) >/17/13 20/18/15	
FLUID DEGRADATION method limit/base current history1	history2
Acid Number (AN) mg KOH/g ASTM D8045 0.4 0.40	



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number** Test Package

: KC102117 : 06000501 : 10728861

: IND 2

: 07 Nov 2023 Received Diagnosed Diagnostician

: 09 Nov 2023 : Jonathan Hester 670 STEUBENVILLE PIKE BURGETTSTOWN, PA US 15021

Contact: Service Manager

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: