

PROBLEM SUMMARY

Sam

Sample Rating Trend

ISO

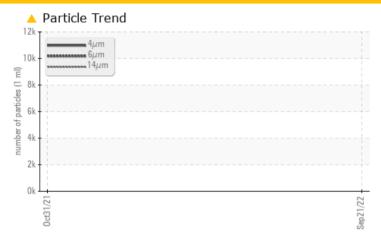
KAESER 4738396

Component

Compressor

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

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 RESULTS									
Sample Status			ABNORMAL	ABNORMAL					
Particles >6µm	ASTM D7647	>1300	2523						
Particles >14µm	ASTM D7647	>80	<u> </u>						
Oil Cleanliness	ISO 4406 (c)	>/17/13	21/19/14						

Customer Id: ZERSANCA Sample No.: KCP50134 Lab Number: 05648943 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

31 Oct 2021 Diag: Jonathan Hester

WATER

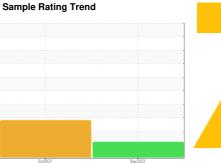


Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Appearance is hazy. There 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 ANALYSIS REPORT



ISO



KAESER 4738396

Component

Compressor

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

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.

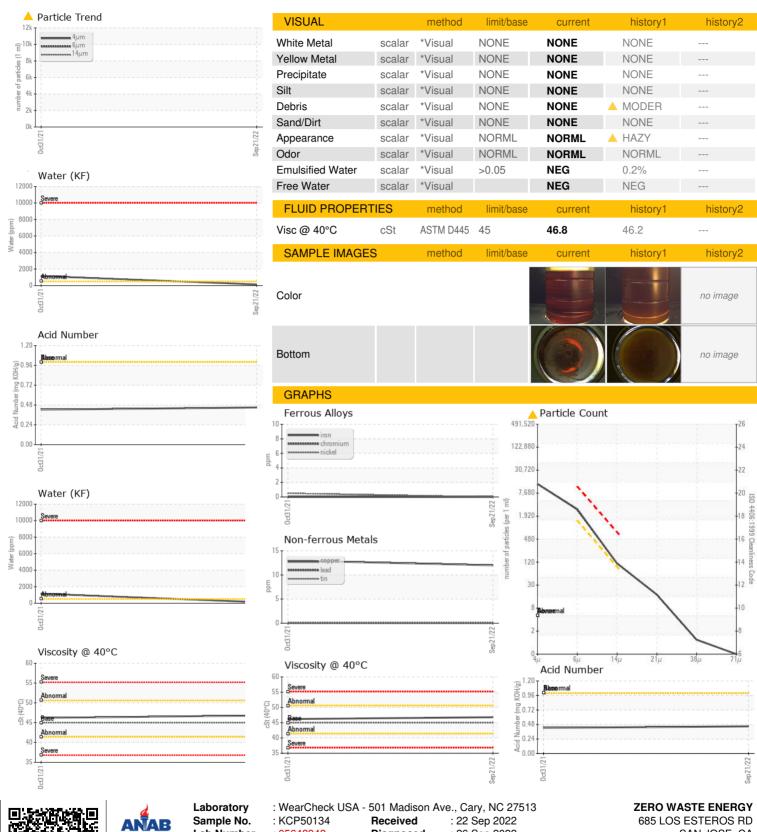
Fluid Condition

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

			0et2021	Sep2022		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP50134	KCP39909	
Sample Date		Client Info		21 Sep 2022	31 Oct 2021	
Machine Age	hrs	Client Info		49780	0	
Oil Age	hrs	Client Info		5000	4000	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	<1	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	0	0	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	12	13	
Tin	ppm	ASTM D5185m	>10	0	0	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	17	
Barium	ppm	ASTM D5185m	90	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	<1	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	100	0	0	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	11	0	
Zinc	ppm	ASTM D5185m	0	31	60	
Sulfur	ppm	ASTM D5185m	23500	20652	28333	
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	<1	
Sodium	ppm	ASTM D5185m		0	<1	
Potassium	ppm	ASTM D5185m	>20	0	3	
Water	%	ASTM D6304	>0.05	0.013	<u> </u> 0.115	
ppm Water	ppm	ASTM D6304	>500	137.2	<u> </u>	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		11590		
Particles >6µm		ASTM D7647	>1300	<u>^</u> 2523		
Particles >14μm		ASTM D7647	>80	<u>^</u> 98		
Particles >14μm Particles >21μm		ASTM D7647	>20	15		
Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647	>20 >4	15 1		
Particles >14µm Particles >21µm Particles >38µm Particles >71µm		ASTM D7647 ASTM D7647 ASTM D7647	>20 >4 >3	15 1 0		
Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647	>20 >4	15 1		



OIL ANALYSIS REPORT







Certificate L2367

Lab Number **Unique Number**

: 05648943

: 10143482

Diagnosed

: 26 Sep 2022 Diagnostician : Jonathan Hester

Test Package : IND 2 (Additional Tests: KF, PrtCount) 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) SAN JOSE, CA US 95134

Contact: C. HERNANDEZ chernandez@zwedc.com

T: F: