

PROBLEM SUMMARY

Sample Rating Trend

ISO

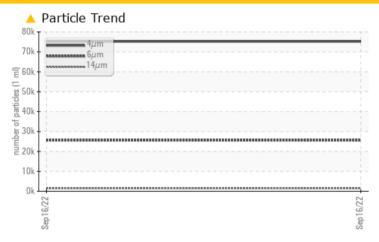
KAESER 4708730

Component

Compressor

KAESER SIGMA (OEM) M-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 RESULTS									
Sample Status			ABNORMAL						
Particles >6µm	ASTM D7647	>1300	25524						
Particles >14μm	ASTM D7647	>80	1478						
Particles >21μm	ASTM D7647	>20	175						
Particles >38μm	ASTM D7647	>4	<u>^</u> 6						
Oil Cleanliness	ISO 4406 (c)	>/17/13	23/22/18						

Customer Id: MAXALT Sample No.: KCP50122 Lab Number: 05648958 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

Sample Rating Trend



Machine Id

KAESER 4708730

Component

Compressor

KAESER SIGMA (OEM) M-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 a high amount of particulates present in the oil.

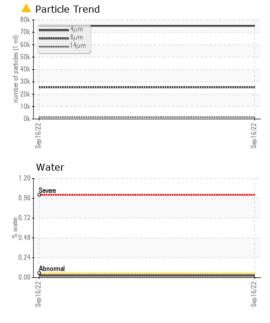
Fluid Condition

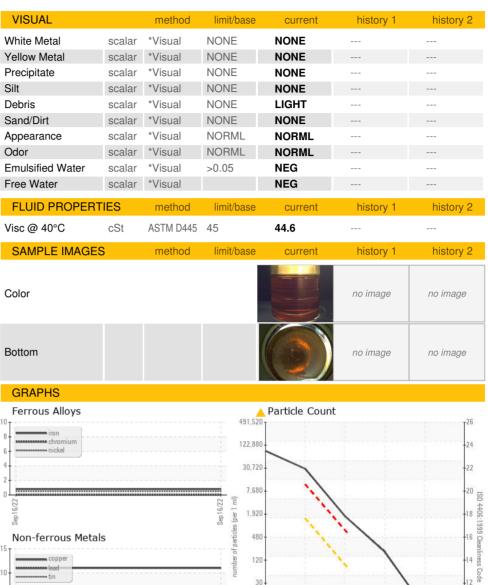
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				Sep 2022		
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number				KCP50122		
Sample Date				16 Sep 2022		
Machine Age	hrs			6446		
Oil Age	hrs			0		
Oil Changed				Changed		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	<1		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	<1		
Titanium	ppm	ASTM D5185m	>3	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	11		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m	>10	0		
Cadmium	ppm	ASTM D5185m		0		
	ррпп			Ů		
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	90	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	100	18		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	0	13		
Zinc	ppm	ASTM D5185m	0	52		
Sulfur	ppm	ASTM D5185m	23500	20823		
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		9		
Potassium	ppm	ASTM D5185m	>20	5		
Water	%	ASTM D6304	>0.05	0.023		
ppm Water	ppm	ASTM D6304	>500	239.9		
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		75180		
Particles >6µm		ASTM D7647	>1300	25524		
Particles >14µm		ASTM D7647	>80	1478		
Particles >21µm		ASTM D7647	>20	<u> </u>		
Particles >38µm		ASTM D7647	>4	<u>^</u> 6		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	23/22/18		
FLUID DEGRADA	TION	method	limit/base	current	history 1	history 2
		ASTM D8045				
Acid Number (AN)	mg KOH/g	49 INI D8045	1.0	0.35		



OIL ANALYSIS REPORT









Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

40

: KCP50122 : 05648958 : 10143497

Viscosity @ 40°C

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Sep 2022

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)

MAXIMUM SECURITY SYSTEMS INC

7482 ROBBINS RD ALTOONA, AL USA 35952

Contact: Service Manager

T:

Acid Number

(B) 1.20 0.96 € 0.72

은 0.48

0.24 0.00

F: