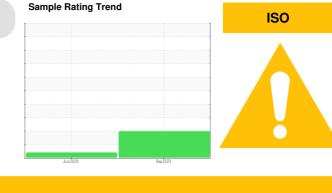


Machine Id

PROBLEM SUMMARY

KAESER 3736966 (S/N 1568)

Component Compressor



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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. 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 **A** 11138 Particles >14µm ASTM D7647 >80 **A** 743 Particles >21µm ASTM D7647 >20 Particles >38µm ASTM D7647 >4 **6 Oil Cleanliness** ISO 4406 (c) >--/17/13 🔺 23/21/17

Customer Id: TLRMID Sample No.: KCP49840 Lab Number: 05639672 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 dougb@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



10 Jun 2020 Diag: Doug Bogart

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. 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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id KAESER 3736966 (S/N 1568)

Component Compressor Fluid KAESER SIGMA (OEM) M-460 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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.

			Jun2020	Sep2022		
SAMPLE INFORM	IATION	method	limit/base	current	history 1	history 2
Sample Number				KCP49840	KCP10036	
Sample Date				01 Sep 2022	10 Jun 2020	
Machine Age	hrs			22323	15775	
Oil Age	hrs			3000	3000	
Oil Changed				Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	<1	2	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	<1	0	
Aluminum	ppm	ASTM D5185m	>10	<1	0	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m		31	21	
Tin	ppm	ASTM D5185m	>10	0	0	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
	ppm		Provide and a			
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	0	2	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	100	1	9	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	9	44	
Zinc	ppm	ASTM D5185m	0	52	78	
Sulfur	ppm	ASTM D5185m	23500	17599	12214	
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	2	<1	
Sodium	ppm	ASTM D5185m		0	2	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304	>0.05	0.006	0.008	
ppm Water	ppm	ASTM D6304	>500	67.9	87.3	
FLUID CLEANLINI	ESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		40215		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>80	^ 743		
Particles >21µm		ASTM D7647	>20	<u> </u>		
Particles >38μm		ASTM D7647	>4	<u> </u>		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	23/21/17		
FLUID DEGRADA	TION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.38	0.324	
	5 5			a		

Report Id: TLRMID [WUSCAR] 05639672 (Generated: 09/14/2022 11:48:28)

Contact/Location: Service Manager - TLRMID



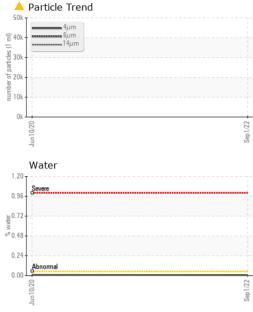
OIL ANALYSIS REPORT

method

limit/base

current

VISUAL



	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Precipitate	scalar	*Visual	NONE	NONE	NONE	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	A MODER	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	
	Free Water	scalar	*Visual		NEG	NEG	
	FLUID PROPERT	IES	method	limit/base	current	history 1	history
	Visc @ 40°C	cSt	ASTM D445	45	51.2	49.8	
1	SAMPLE IMAGES	6	method	limit/base	current	history 1	history
	Color						no image
	Bottom						no image
	GRAPHS						
	Ferrous Alloys				Particle Coun	t	
	2			7,680			
4 3 <u>6</u> 2 1 6 5	Viscosity @ 40°C	5		2271des 8 10 10 10 10 10 10 10 10 10 10	Boreemal Acid Number	14μ 21μ	36µ 71
3 6 1	Non-ferrous Metals	5		1,122 ab 1,223 ab 1,223	Boreemal Acid Number	14μ 21μ	

* - Denotes test methods Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

To discuss this sample

Certificate L2367

history 1

history 2