

PROBLEM SUMMARY

Sample Rating Trend

ISO

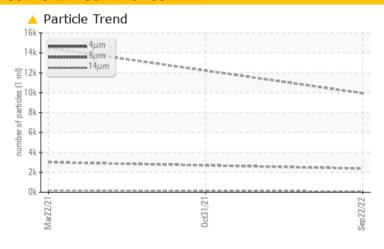
KAESER 4738382

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		ATTENTION	ABNORMAL	ABNORMAL						
Particles >6µm	ASTM D7647 >130	0 🛕 2380		△ 3017						
Particles >14µm	ASTM D7647 >80	101		▲ 178						
Oil Cleanliness	ISO 4406 (c) >/1	7/13 ^ 20/18/14		A 19/15						

Customer Id: ZERSANCA Sample No.: KCP50129 Lab Number: 05649793 Test Package: IND 2



To manage this report scan the QR code

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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 unacceptable 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.



22 Mar 2021 Diag: Doug Bogart

ISO



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates 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

KAESER 4738382

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 moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

		Ma	2021	Oct2021 Sep2022		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP50129	KCP39910	KCP27717
Sample Date		Client Info		22 Sep 2022	31 Oct 2021	22 Mar 2021
Machine Age	hrs	Client Info		48912	41365	37119
Oil Age	hrs	Client Info		1000	4000	3000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	0	0
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	11	14	10
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m			0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	17	10
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	0	0	<1
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	<1	0	1
Zinc	ppm	ASTM D5185m	0	0	30	19
Sulfur	ppm	ASTM D5185m	23500	19716	27606	15225
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	0
Sodium	ppm	ASTM D5185m		<1	<1	1
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.05	0.007	△ 0.144	0.026
ppm Water	ppm	ASTM D6304	>500	78.4	<u> </u>	264.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		9944		14491
Particles >6µm		ASTM D7647	>1300	2380		△ 3017
Particles >14μm		ASTM D7647	>80	<u> </u>		<u></u> 178
Particles >21µm		ASTM D7647	>20	11		△ 47
Particles >38µm		ASTM D7647	>4	0		1
Particles >71µm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>20/18/14</u>		△ 19/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	1/011/	4 O T 1 1 D 0 0 4 F	4.0		0.400	

0.35

0.346



OIL ANALYSIS REPORT

