

PROBLEM SUMMARY

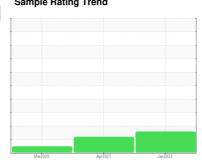
Sample Rating Trend

ISO

KAESER AS 20T 6269970 (S/N 1047)

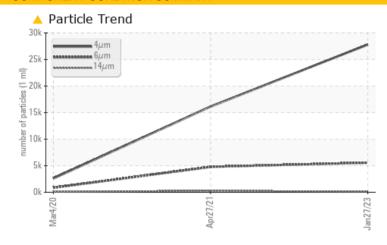
Compressor

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	NORMAL				
Particles >6µm	ASTM D7647	>1300	△ 5568	△ 4786	862				
Particles >14µm	ASTM D7647	>80	109	<u>\$284</u>	76				
Particles >21µm	ASTM D7647	>20	<u>^</u> 21	4 96	25				
Oil Cleanliness	ISO 4406 (c)	>/17/13	22/20/14	<u> </u>	17/13				

Customer Id: MARFORCO Sample No.: KCP54893 Lab Number: 05768126 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

27 Apr 2021 Diag: Don Baldridge

ISO



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. 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.



04 Mar 2020 Diag: Don Baldridge

NORMAL



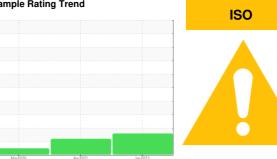
Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



KAESER AS 20T 6269970 (S/N 1047)

Compressor

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.

		Ma	2020	Apr 2 021 Jan2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP54893	KCP32679	KCP24272
Sample Date		Client Info		27 Jan 2023	27 Apr 2021	04 Mar 2020
Machine Age	hrs	Client Info		12793	11301	8228
Oil Age	hrs	Client Info		2752	3073	4000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	0	1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	2	<1
Copper	ppm	ASTM D5185m	>50	13	4	5
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m			0	0
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	22	0
Barium	ppm	ASTM D5185m	90	0	30	28
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	100	2	73	72
Calcium	ppm	ASTM D5185m	0	0	0	2
Phosphorus	ppm	ASTM D5185m	0	4	1	4
Zinc	ppm	ASTM D5185m	0	0	3	9
Sulfur	ppm	ASTM D5185m	23500	17643	20467	17360
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	0
Sodium	ppm	ASTM D5185m		0	20	27
Potassium	ppm	ASTM D5185m	>20	0	7	2
Water	%	ASTM D6304	>0.05	0.005	0.025	0.011
ppm Water	ppm	ASTM D6304	>500	55.2	256.3	114.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		27810	16148	2605
Particles >6µm		ASTM D7647	>1300	<u> </u>	▲ 4786	862
Particles >14μm		ASTM D7647	>80	109	<u>▲</u> 284	76
Particles >21µm		ASTM D7647	>20	<u>^</u> 21	△ 96	25
Particles >38µm		ASTM D7647	>4	1	3	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>22/20/14</u>	△ 19/15	17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT

