

PROBLEM SUMMARY

Sample Rating Trend

ISO

Machino Id

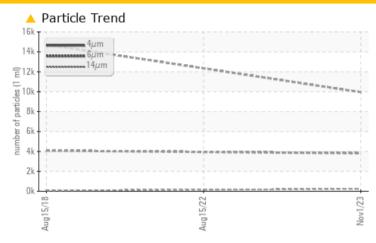
KAESER SM 10 5523596 (S/N 1049)

Component

Compressor

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. The 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	ABNORMAL				
Particles >6μm	ASTM D7647	>1300	<u> </u>		▲ 4082				
Particles >14μm	ASTM D7647	>80	234		77				
Particles >21µm	ASTM D7647	>20	△ 55		20				
Oil Cleanliness	ISO 4406 (c)	>/17/13	20/19/15		1 9/13				

Customer Id: DOLJAN Sample No.: KCPA009763 Lab Number: 05999884 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

15 Aug 2022 Diag: Don Baldridge

WATER



Oil and filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. We recommend an early resample in 500 hours to monitor this condition. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid.



15 Aug 2018 Diag: Angela Borella

ISO



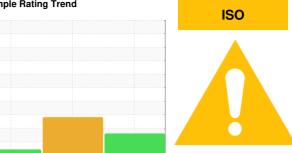
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



KAESER SM 10 5523596 (S/N 1049)

Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The 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.

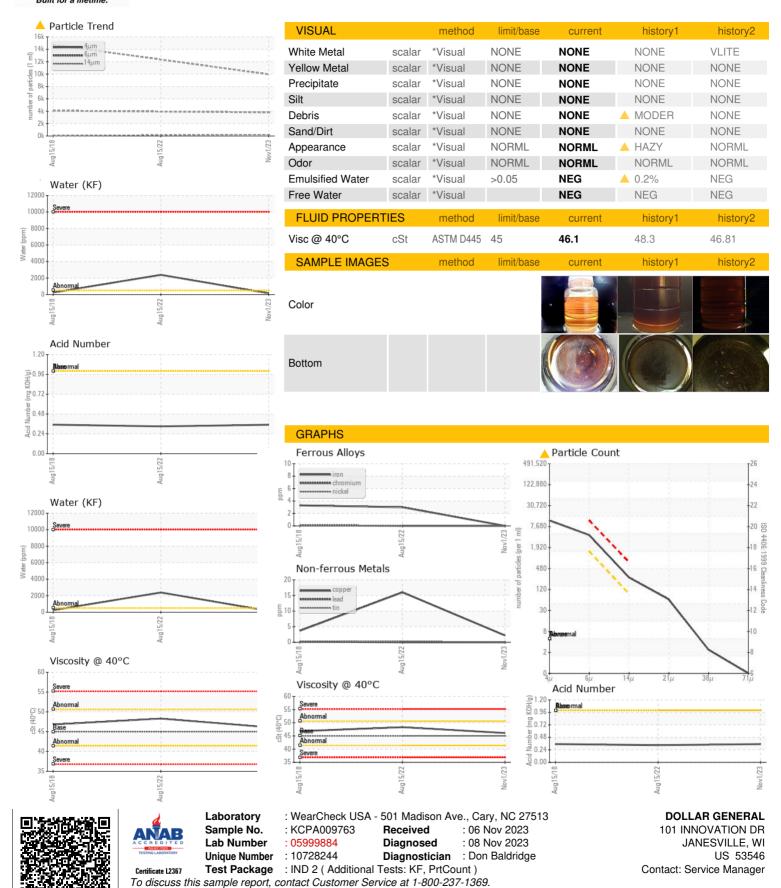
		Aug2018 Aug2022		Aug2022 Nov20	Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		KCPA009763	KCP49674	KCP06781	
Sample Date		Client Info		01 Nov 2023	15 Aug 2022	15 Aug 2018	
Machine Age	hrs	Client Info		20146	20133	7677	
Oil Age	hrs	Client Info		0	3000	7677	
Oil Changed		Client Info		N/A	Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	0	3	3	
Chromium	ppm	ASTM D5185m	>10	0	0	<1	
Nickel	ppm	ASTM D5185m	>3	0	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	<1	
Aluminum	ppm	ASTM D5185m	>10	0	0	<1	
Lead	ppm	ASTM D5185m	>10	0	0	<1	
Copper	ppm	ASTM D5185m	>50	2	16	4	
Tin	ppm	ASTM D5185m	>10	0	<1	<1	
Antimony	ppm	ASTM D5185m				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	1	<1	
Barium	ppm	ASTM D5185m	90	70	0	15	
Molybdenum	ppm	ASTM D5185m	0	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	<1	
Magnesium	ppm	ASTM D5185m	100	79	8	55	
Calcium	ppm	ASTM D5185m	0	<1	0	<1	
Phosphorus	ppm	ASTM D5185m	0	<1	2	1	
Zinc	ppm	ASTM D5185m	0	0	25	7	
Sulfur	ppm	ASTM D5185m	23500	18123	18227	22070	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	0	<1	<1	
Sodium	ppm	ASTM D5185m		5	5	13	
Potassium	ppm	ASTM D5185m	>20	0	0	2	
Water	%	ASTM D6304	>0.05	0.015	△ 0.239	0.024	
ppm Water	ppm	ASTM D6304	>500	150.4	<u>^</u> 2390	240	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647		9952		14729	
Particles >6µm		ASTM D7647	>1300	<u>▲</u> 3813		▲ 4082	
Particles >14μm		ASTM D7647	>80	<u>^</u> 234		77	
Particles >21µm		ASTM D7647	>20	<u> </u>		20	
Particles >38μm		ASTM D7647	>4	2		0	
Particles >71µm		ASTM D7647	>3	0		0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/19/15		▲ 19/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2	
	1/011/	4 OT1 4 D 00 4 F			0.00		

0.33

0.351



OIL ANALYSIS REPORT



* - 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)

T: F: