

PROBLEM SUMMARY

Sample Rating Trend

WEAR

A

Machino Id

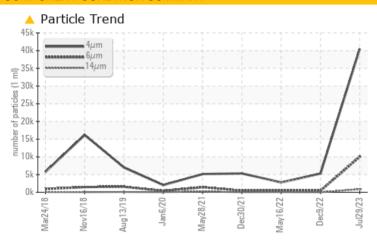
KAESER SFC 45S 5507867 (S/N 1024)

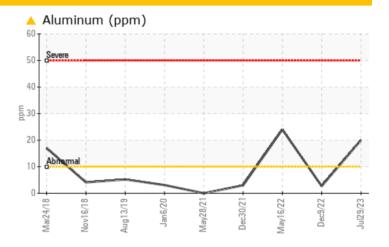
Component

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	NORMAL	ABNORMAL				
Aluminum	ppm	ASTM D5185m	>10	<u>^</u> 20	3	<u>^</u> 24				
Particles >6µm		ASTM D7647	>1300	10005	425	535				
Particles >14µm		ASTM D7647	>80	A 859	16	58				
Particles >21µm		ASTM D7647	>20	182	5	13				
Particles >38µm		ASTM D7647	>4	<u>^</u> 7	1	1				
Oil Cleanliness		ISO 4406 (c)	>/17/13	23/21/17	20/16/11	19/16/13				

Customer Id: TULBAL Sample No.: KCPA004464 Lab Number: 05938866 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

09 Dec 2022 Diag: Angela Borella

NORMAL



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. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAD



16 May 2022 Diag: Doug Bogart

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



30 Dec 2021 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 SFC 45S 5507867 (S/N 1024)

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

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

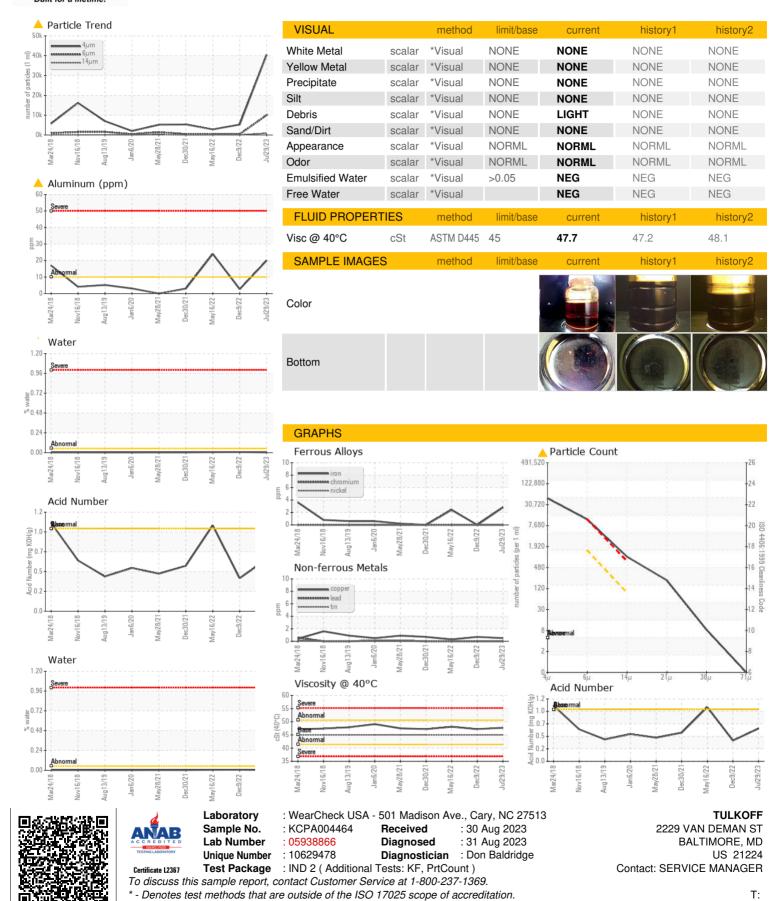
Fluid Condition

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

	Mač018 Navč018 Augč019 Janč020 Mayč021 Dacč021 Mayč022 Dacč022 Juž023								
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		KCPA004464	KCP55503	KCP50379			
Sample Date		Client Info		29 Jul 2023	09 Dec 2022	16 May 2022			
Machine Age	hrs	Client Info		43203	40090	36770			
Oil Age	hrs	Client Info		0	5500	2100			
Oil Changed		Client Info		N/A	Changed	Changed			
Sample Status				ABNORMAL	NORMAL	ABNORMAL			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>50	3	0	2			
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	<u>^</u> 20	3	<u>^</u> 24			
Lead	ppm	ASTM D5185m	>10	0	0	0			
Copper	ppm	ASTM D5185m	>50	<1	<1	<1			
Tin	ppm	ASTM D5185m	>10	0	0	0			
Antimony	ppm	ASTM D5185m							
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	0	0			
Barium	ppm	ASTM D5185m	90	0	0	0			
Molybdenum	ppm	ASTM D5185m	0	0	0	0			
Manganese	ppm	ASTM D5185m		0	0	0			
Magnesium	ppm	ASTM D5185m	100	0	<1	0			
Calcium	ppm	ASTM D5185m	0	<1	0	0			
Phosphorus	ppm	ASTM D5185m	0	143	50	362			
Zinc	ppm	ASTM D5185m	0	33	35	256			
Sulfur	ppm	ASTM D5185m	23500	1618	1681	1477			
CONTAMINANTS		method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	0	0	0			
Sodium	ppm	ASTM D5185m		4	0	2			
Potassium	ppm	ASTM D5185m	>20	1	0	0			
Water	%	ASTM D6304	>0.05	0.003	0.007	0.006			
ppm Water	ppm	ASTM D6304	>500	30.1	77.3	66.4			
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2			
Particles >4µm		ASTM D7647		40500	5280	2788			
Particles >6µm		ASTM D7647	>1300	<u> 10005</u>	425	535			
Particles >14µm		ASTM D7647	>80	A 859	16	58			
Particles >21µm		ASTM D7647	>20	182	5	13			
Particles >38µm		ASTM D7647	>4	<u>^</u> 7	1	1			
Particles >71µm		ASTM D7647	>3	0	0	0			
Oil Cleanliness		ISO 4406 (c)	>/17/13	23/21/17	20/16/11	19/16/13			
FLUID DEGRADA	TION	method	limit/base	current	history1	history2			



OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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