

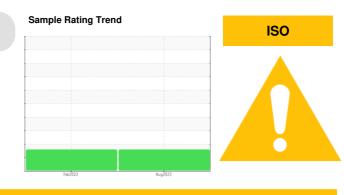
PROBLEM SUMMARY

KAESER 4231444

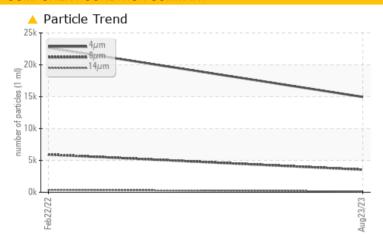
Component

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					
Particles >6µm	ASTM D7647	>1300	△ 3545	<u></u> 5914					
Particles >14μm	ASTM D7647	>80	136	▲ 380					
Particles >21µm	ASTM D7647	>20	△ 32	△ 68					
Oil Cleanliness	ISO 4406 (c)	>/17/13	21/19/14	2 0/16					

Customer Id: MPMHIL Sample No.: KC05936129 Lab Number: 05936129 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

22 Feb 2022 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





OIL ANALYSIS REPORT

KAESER 4231444

Component

Compressor

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

Sample Rating Trend



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.

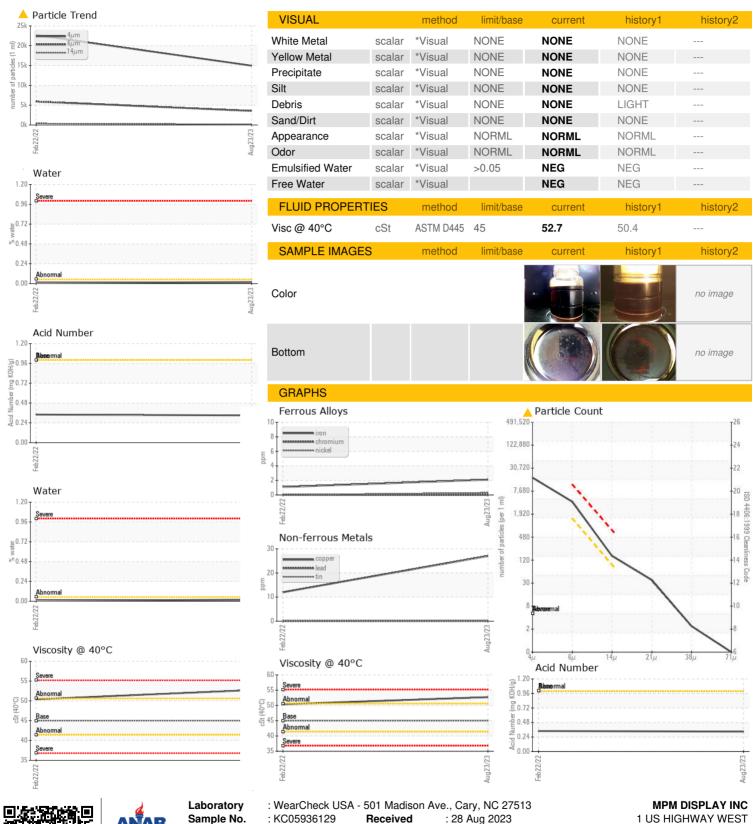
Fluid Condition

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

			Feb 2022	Aug ² 023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC05936129	KC95519	
Sample Date		Client Info		23 Aug 2023	22 Feb 2022	
Machine Age	hrs	Client Info		27420	24115	
Oil Age	hrs	Client Info		0	2520	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	<1	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	<1	0	
Copper	ppm	ASTM D5185m	>50	27	12	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	
Barium	ppm	ASTM D5185m	90	2	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		4	2	
Magnesium	ppm	ASTM D5185m	100	24	51	
Calcium	ppm	ASTM D5185m	0	0	<1	
Phosphorus	ppm	ASTM D5185m	0	2	0	
Zinc	ppm	ASTM D5185m	0	18	6	
CONTAMINANTS	1	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	1	
Sodium	ppm	ASTM D5185m		3	18	
Potassium	ppm	ASTM D5185m	>20	2	2	
Water	%	ASTM D6304	>0.05	0.018	0.008	
ppm Water	ppm	ASTM D6304	>500	188.3	82.0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		14959	22661	
Particles >6µm		ASTM D7647	>1300	4 3545	<u></u> 5914	
Particles >14µm		ASTM D7647	>80	136	▲ 380	
Particles >21µm		ASTM D7647	>20	<u> </u>	△ 68	
Particles >38µm		ASTM D7647	>4	2	<u> 5</u>	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 21/19/14	<u>^</u> 20/16	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.33	0.34	



OIL ANALYSIS REPORT







Certificate L2367

Sample No. Lab Number **Unique Number** Test Package

: KC05936129 : 05936129

: 10621400 : IND 2

Received : 28 Aug 2023 Diagnosed Diagnostician

: 29 Aug 2023 : Doug Bogart

Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

HILLSIDE, NJ

US 07205

T: F: