

PROBLEM SUMMARY

Sample Rating Trend



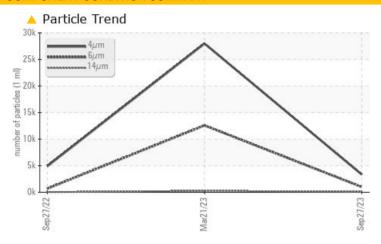
Machine Id **8015268 (S/N 1193)**

Component

Compressor

KAESER SIGMA (OEM) S-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		ATTENTIO	ON ABNORMAL	NORMAL					
Particles >14µm	ASTM D7647 >	.80 A 87	<u>^</u> 265	26					
Particles >21µm	ASTM D7647 >	·20 ^ 22	<u>^</u> 22	6					
Oil Cleanliness	ISO 4406 (c) >	/17/13 🔺 19/17/1	4 \(\text{\rightarrow} 22/21/15	19/17/12					

Customer Id: HILWAU Sample No.: KC125380 Lab Number: 06010786 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

21 Mar 2023 Diag: Don Baldridge

ISO



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. 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.



27 Sep 2022 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All 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.



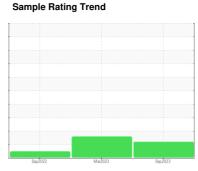


OIL ANALYSIS REPORT

8015268 (S/N 1193)

Compressor

KAESER SIGMA (OEM) S-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 moderate amount of particulates present in the oil.

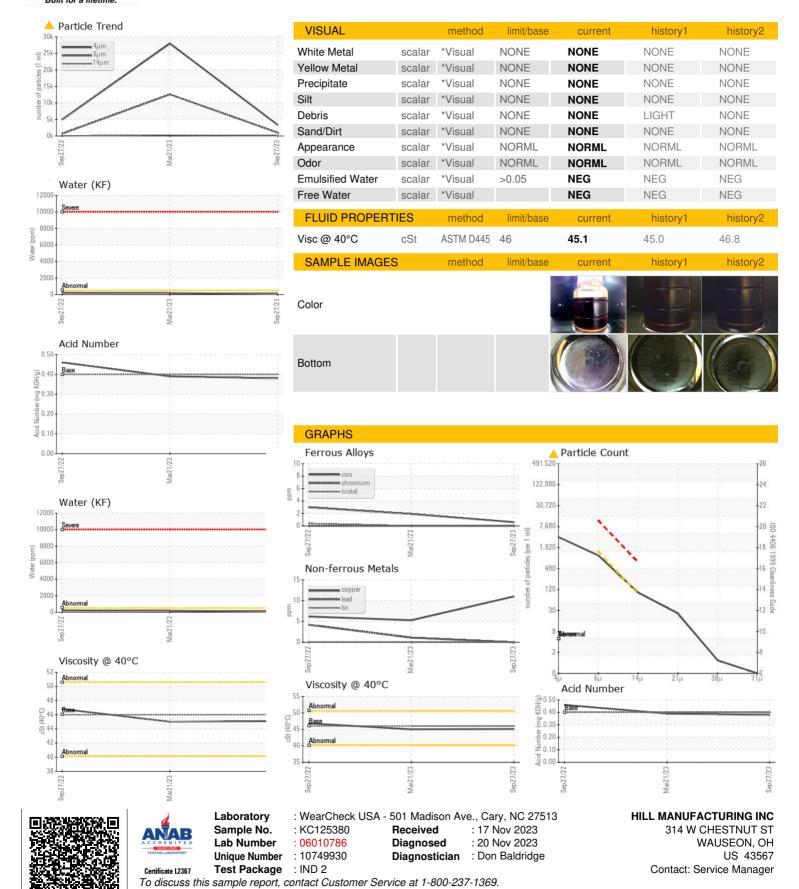
Fluid Condition

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

			2022	Mar2023 Sep20		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC125380	KC105693	KC106518
Sample Date		Client Info		27 Sep 2023	21 Mar 2023	27 Sep 2022
Machine Age	hrs	Client Info		5938	4550	3123
Oil Age	hrs	Client Info		2165	1417	3123
Oil Changed		Client Info		N/A	Not Changd	Changed
Sample Status				ATTENTION	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	2	3
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	<1
Lead	ppm	ASTM D5185m	>10	0	1	4
Copper	ppm	ASTM D5185m	>50	11	5	6
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVE C	1-1-	and the second	11		lata ka mad	la la barra O
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	10	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	2	2
Magnesium	ppm	ASTM D5185m	90	14	56	30
Calcium	ppm	ASTM D5185m	2	0	<1	0
Phosphorus	ppm	ASTM D5185m		0	4	6
Zinc	ppm	ASTM D5185m		29	31	40
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	1
Sodium	ppm	ASTM D5185m		6	15	9
Potassium	ppm	ASTM D5185m	>20	3	5	13
Water	%	ASTM D6304	>0.05	0.008	0.017	0.022
ppm Water	ppm	ASTM D6304	>500	86.1	171.7	223.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3352	27996	4916
Particles >6µm		ASTM D7647	>1300	1003	<u>▲</u> 12588	697
Particles >14µm		ASTM D7647	>80	<u>^</u> 87	<u>^</u> 265	26
Particles >21µm		ASTM D7647	>20	^ 22	<u>^</u> 22	6
Particles >38µm		ASTM D7647	>4	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/14	<u>22/21/15</u>	19/17/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.38	0.39	0.46
AGIO NUMBER (AN)	my NOT I/g	70 LINI D0040	0.4	0.30	0.03	0.40



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)

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