

PROBLEM SUMMARY

Area [10664528] KAESER C-1R (S/N 1022)

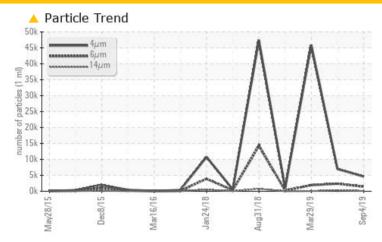
Compressor Fluid

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

Sample Rating Trend



COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST	RESULTS				
Sample Status			ATTENTION	ABNORMAL	ABNORMAL
Particles >6µm	ASTM D7647	>1300	1436	<u>\$2382</u>	<u>1901</u>
Particles >14µm	ASTM D7647	>80	<u> </u>	296	51
Particles >21µm	ASTM D7647	>20	<u>^</u> 22	<u></u> 88	18
Oil Cleanliness	ISO 4406 (c)	>/17/13	19/18/14	<u>\</u> 20/18/15	23/18/13

Customer Id: WESLONWC **Sample No.:** WCI2351490 Lab Number: 04812122 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

18 Jun 2019 Diag: Jonathan Hester

ISO



We recommend you service the filters on this component. 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.



29 Mar 2019 Diag: Don Baldridge

150



We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



20 Dec 2018 Diag: Doug Bogart

NORMAL



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



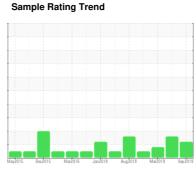


OIL ANALYSIS REPORT

Area [10664528] **KAESER C-1R (S/N 1022)**

Compressor

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





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

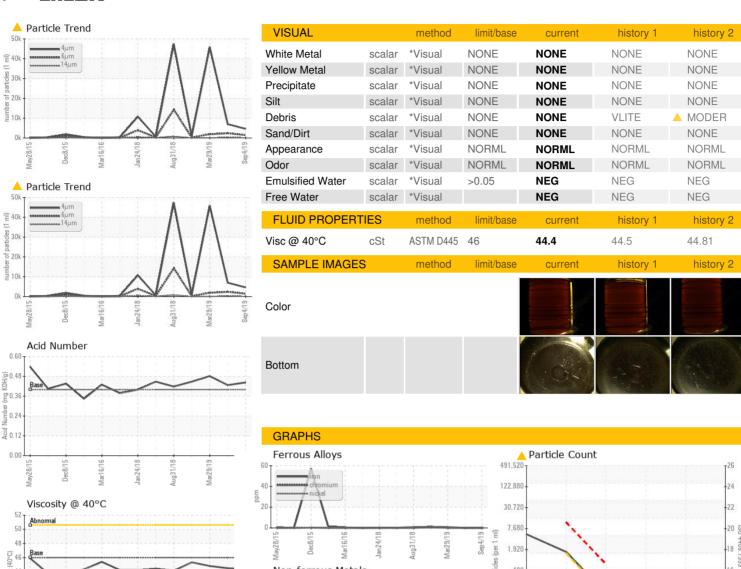
Fluid Condition

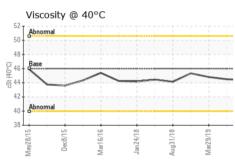
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

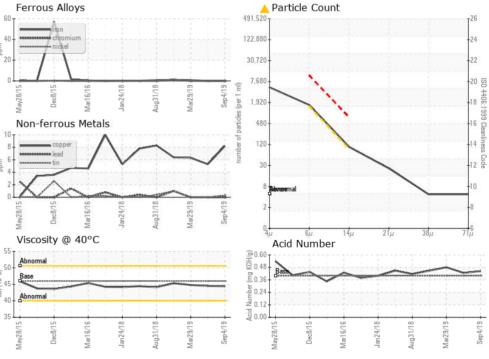
		May2015 [Dec2015 Mar2016			
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		WCI2351490	WC04753361	WCI2327069
Sample Date		Client Info		04 Sep 2019	18 Jun 2019	29 Mar 2019
Machine Age	hrs	Client Info		42936	40128	39275
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	0	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	8	5	6
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m	90	<1	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	90	0	0	5
Calcium	ppm	ASTM D5185m	2	0	0	<1
Phosphorus	ppm	ASTM D5185m		<1	<1	5
Zinc						
21110	ppm	ASTM D5185m		0	0	12
Sulfur	ppm	ASTM D5185m ASTM D5185m		0 12261	0 16465	12 15566
	ppm		limit/base			
Sulfur	ppm	ASTM D5185m	limit/base >25	12261	16465	15566
Sulfur CONTAMINANTS	ppm	ASTM D5185m method		12261 current	16465 history 1	15566 history 2
Sulfur CONTAMINANTS Silicon	ppm ppm	ASTM D5185m method ASTM D5185m		12261 current 4	16465 history 1	15566 history 2 <1
Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m	>25	12261	16465 history 1 7 2	15566 history 2 <1 2
Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20	12261	16465 history 1 7 2 0	15566 history 2 <1 2 1
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method	>25 >20	12261 current 4 0 <1 current	16465 history 1 7 2 0 history 1	15566 history 2 <1 2 1 history 2
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647	>25 >20 limit/base	12261 current 4 0 <1 current 4609	16465 history 1 7 2 0 history 1 6965	15566 history 2 <1 2 1 history 2 45861
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 limit/base >1300 >80	12261 current 4 0 <1 current 4609 1436	16465 history 1 7 2 0 history 1 6965 2382	15566 history 2 <1 2 1 history 2 45861 ▲ 1901
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 limit/base >1300 >80	12261 current 4 0 <1 current 4609 1436 91 22 4	16465 history 1 7 2 0 history 1 6965 2382 296	15566 history 2 <1 2 1 history 2 45861 ▲ 1901 51
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 limit/base >1300 >80 >20	12261 current 4 0 <1 current 4609 1436 91 22	16465 history 1 7 2 0 history 1 6965 2382 296 88	15566 history 2 <1 2 1 history 2 45861 ▲ 1901 51 18 1 0
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 limit/base >1300 >80 >20 >4	12261 current 4 0 <1 current 4609 1436 91 22 4	16465 history 1 7 2 0 history 1 6965 2382 296 88 10	15566 history 2 <1 2 1 history 2 45861 ▲ 1901 51 18 1
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm ppm ppm	MSTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 limit/base >1300 >80 >20 >4 >3	12261 current 4 0 <1 current 4609 1436 91 22 4 4	16465 history 1 7 2 0 history 1 6965 △ 2382 △ 296 △ 88 △ 10 2	15566 history 2 <1 2 1 history 2 45861 ▲ 1901 51 18 1 0



OIL ANALYSIS REPORT











Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WCI2351490 : 04812122

Received : 8761994

Diagnosed Diagnostician

: 01 Oct 2019 : 03 Oct 2019 : Don Baldridge

Test Package : IND 2 (Additional Tests: PrtCount) 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)

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