

OIL ANALYSIS REPORT

Machine Id

KAESER CSD 100S 3690429 (S/N 1037)

Component Compressor

Fluid KAESER SIGMA (OEM) S-460 (--- QTS)

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

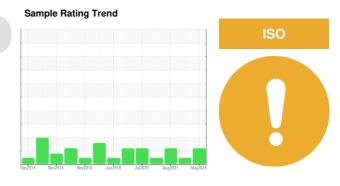
All component wear rates are normal.

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.

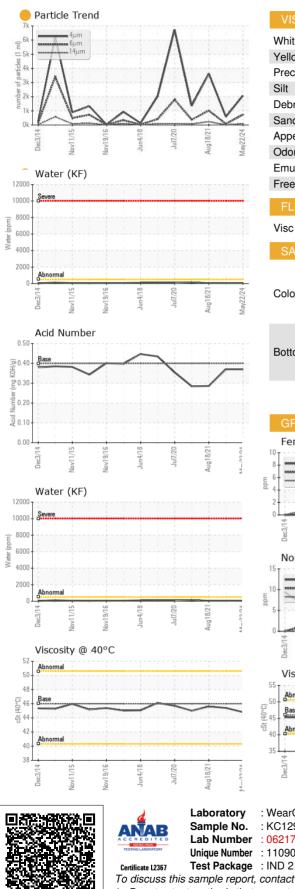


SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC129432	KCP47302D	KCP37761
Sample Date		Client Info		22 May 2024	01 Nov 2022	18 Aug 2021
Machine Age	hrs	Client Info		57737	54049	51369
Oil Age	hrs	Client Info		8000	5080	2400
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ATTENTION	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	3	0	0
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	14	13	6
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	575
Barium	ppm	ASTM D5185m	90	1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	90	4	0	1
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m	_	3	33	0
Zinc	ppm	ASTM D5185m		17	0	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m		<1	<1	0
Sodium	ppm ppm	ASTM D5185m	>20	0	<1	<1
Potassium		ASTM D5185m	>20	2	0	< 1
Water	ppm %	ASTM D5185III ASTM D6304		2 0.005	0.006	0.006
ppm Water	^{7₀} ppm	ASTM D6304 ASTM D6304		0.005	0.000	
• •			>500	58	63.3	60.0
FLUID CLEANLIN		method	limit/base	58 current	63.3 history1	
		method		current	history1	history2
Particles >4µm		method ASTM D7647	limit/base	current 2072	history1 579	history2 3609
Particles >4μm Particles >6μm		method ASTM D7647 ASTM D7647	limit/base	current 2072 727	history1 579 84	history2 3609 1011
Particles >4μm Particles >6μm Particles >14μm		method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80	current 2072 727 89	history1 579 84 5	history2 3609 1011 ▲ 233
Particles >4μm Particles >6μm Particles >14μm Particles >21μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80 >20	current 2072 727 89 29	history1 579 84 5 2	history2 3609 1011 ▲ 233 ▲ 77
Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80 >20 >4	Current 2072 727 89 29 3	history1 579 84 5 2 0	history2 3609 1011 ▲ 233 ▲ 77 ▲ 7
Particles >4μm Particles >6μm Particles >14μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80 >20 >4	current 2072 727 89 29	history1 579 84 5 2	history2 3609 1011 ▲ 233 ▲ 77
Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	IESS	method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80 >20 >4 >3	Current 2072 727 89 29 3 0	history1 579 84 5 2 0 0	history2 3609 1011 ▲ 233 ▲ 77 ▲ 7 0

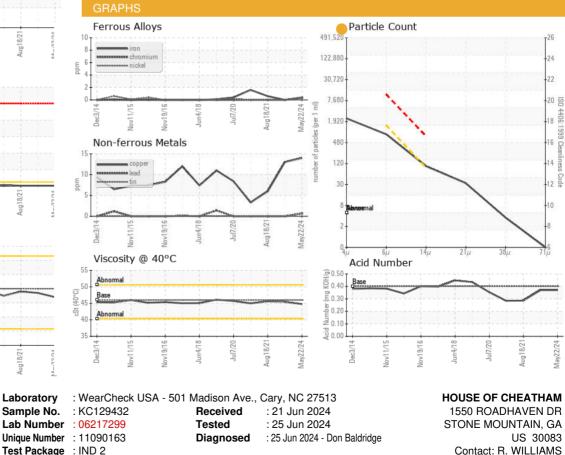
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OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.8	45.4	45.6
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color						
Bottom					(\bigcirc)	



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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