

OIL ANALYSIS REPORT

KAESER CSD100ST 4709301 (S/N 1032)

Compressor

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

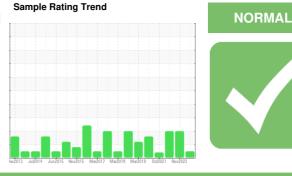
All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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		KC107790	KC103144	KC104869
Sample Date		Client Info		08 May 2023	16 Nov 2022	10 Aug 2022
Machine Age	hrs	Client Info		56062	51912	49581
Oil Age	hrs	Client Info		4150	5514	6811
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
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	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	8	15	12
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
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	50	0	0	0
Manganese	ppm	ASTM D5185m		۰ <1	0	0
Magnesium	ppm	ASTM D5185m	90	12	<1	2
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	2	0	4	0
Zinc	ppm	ASTM D5185m		0	<1	2
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>25	0	<1	0
Sodium	ppm	ASTM D5185m		3	<1	3
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304		0.009	0.005	0.009
ppm Water	ppm	ASTM D6304	>500	96.0	54.8	98.3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2270	15016	35181
Particles >6µm		ASTM D7647		588	▲ 5241	1 4110
Particles >14µm		ASTM D7647	>80	52	4 92	1 713
Particles >21µm		ASTM D7647	>20	12	1 46	A 315
Particles >38µm		ASTM D7647	>4	1	4 5	1 1
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/13	1 /20/16	<u> </u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	KOUK		0.4	0.44	0.40	0.40

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

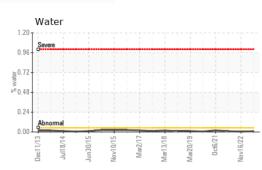
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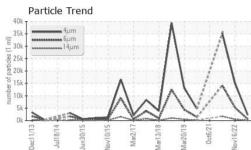
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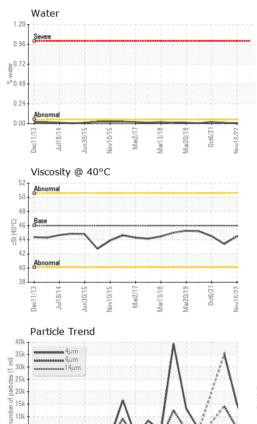
0.42



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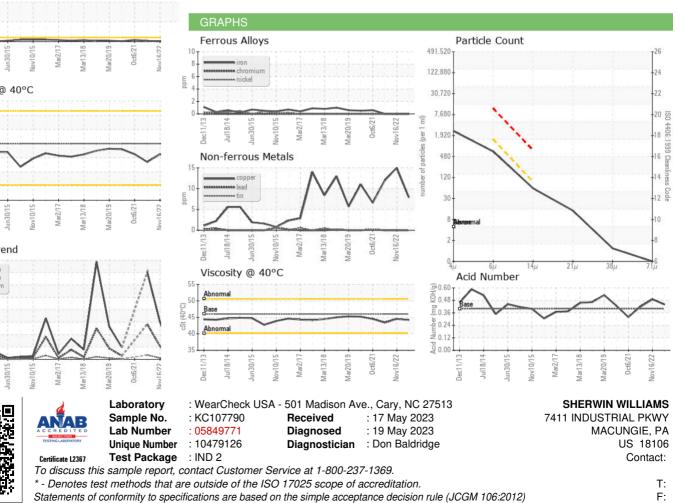
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Bc.1

NUMBER OF

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	LIGHT
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 PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.2	44.5	43.4
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						J.
				10-		

Bottom



Contact/Location: ? ? - SHEMACKC