

OIL ANALYSIS REPORT

KAESER CSD75 5724395 (S/N 1031) Component

Compressor

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

Recommendation

Resample at the next service interval to monitor.

Wear

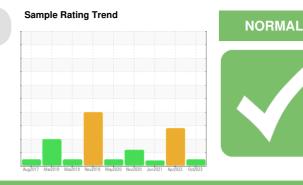
All component wear rates are normal.

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.



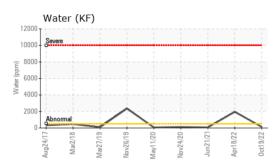
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP46910D	KCP45104	KCP32092
Sample Date		Client Info		19 Oct 2022	18 Apr 2022	21 Jun 2021
Machine Age	hrs	Client Info		15301	12748	10055
Oil Age	hrs	Client Info		5247	2693	3586
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	2	<1
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m	>3	0	1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m		0	4	<1
Lead			>10	0	4 0	0
Copper	ppm ppm	ASTM D5185m		8	20	7
Tin			>10	0	<1	<1
Antimony	ppm ppm	ASTM D5185m	210		< 1	0
Vanadium		ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ppm					-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	11
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	<1	3	0
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		30	25	7
Zinc	ppm	ASTM D5185m		7	22	8
Sulfur	ppm	ASTM D5185m		18205	15395	14989
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	6	1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.013	0 .196	0.006
ppm Water	ppm	ASTM D6304	>500	133.2	1960	67.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		6743		
Particles >6µm		ASTM D7647	>1300	1265		
Particles >14µm		ASTM D7647	>80	59		
Particles >21µm		ASTM D7647	>20	12		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/17/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.33	0.36	0.326

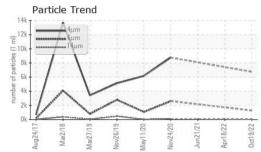
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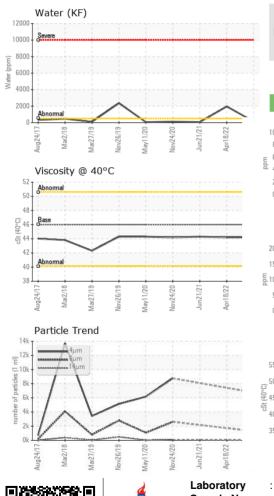
Contact/Location: S. SMITH - RAPAUB



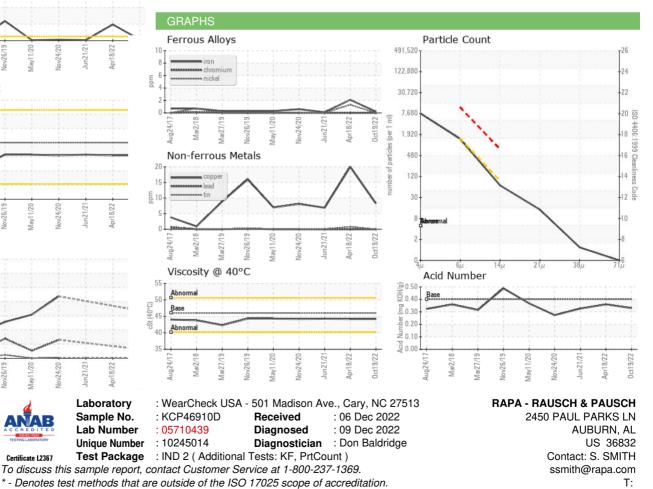
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	HEAVY	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	🔺 VHEVY	🔺 MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	🔺 HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.2	44.2	44.3
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						
Bottom				6		



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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