

OIL ANALYSIS REPORT

KAESER BSD 50 6232687 (S/N 1393) Component

Compressor

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

Recommendation

Resample at the next service interval to monitor.

Wear

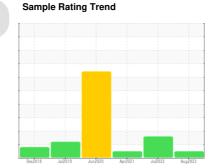
All component wear rates are normal.

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.





NORMAL

		Dec2018	Jul2019 Jun2020	Apr2021 Jul2022	Aug2023	
SAMPLE INFORM	/IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA005076	KCP44085	KC86222
Sample Date		Client Info		05 Aug 2023	22 Jul 2022	10 Apr 2021
Machine Age	hrs	Client Info		37819	34543	28597
Oil Age	hrs	Client Info		0	12998	7053
Oil Changed		Client Info		N/A	Changed	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	9	8	11
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m	90	0	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	90	14	0	1
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		<1	0	1
Zinc	ppm	ASTM D5185m		8	0	0
Sulfur	ppm	ASTM D5185m		19945	14000	12099
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	<1
Sodium	ppm	ASTM D5185m		6	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.05	0.009	0.008	0.005
ppm Water	ppm	ASTM D6304	>500	98.6	88.7	55.4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		527	13650	256
Particles >6µm		ASTM D7647	>1300	175	<u> </u>	64
Particles >14µm		ASTM D7647	>80	19	<u> </u>	6
Particles >21µm		ASTM D7647	>20	4	<u> </u>	2
Particles >38µm		ASTM D7647	>4	0	2	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	16/15/11	1 /19/15	13/10
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.37	0.43	0.501

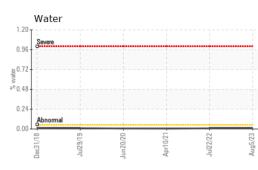
Acid Number (AN) Report Id: RAICLA [WUSCAR] 05930896 (Generated: 08/23/2023 17:46:00) Rev: 1

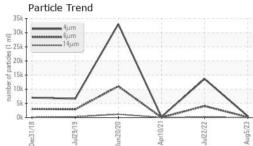
mg KOH/g ASTM D8045 0.4

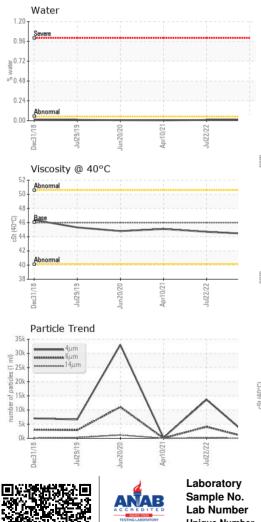
0.37 0.43 0.501 Contact/Location: SERVICE MANAGER ? - RAICLA



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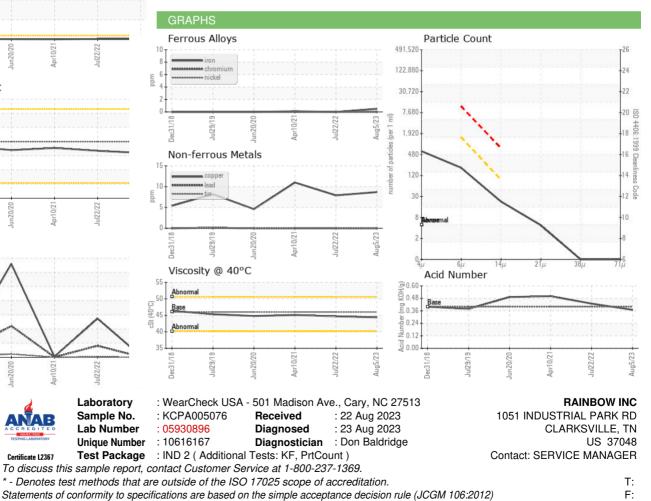






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	*Visual	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	44.4	44.7	45.1
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				•		
Bottom						0

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