

OIL ANALYSIS REPORT

KAESER SM-11 1388291 (S/N 1108)

Compressor Fluid

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

Machine Id

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

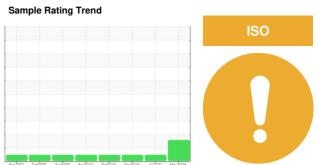
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018774	KCP33303	KCP20673
Sample Date		Client Info		31 May 2024	28 Jul 2021	02 Dec 2019
Machine Age	hrs	Client Info		58267	57525	56826
Oil Age	hrs	Client Info		0	657	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	<1	2
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	2
Copper	ppm	ASTM D5185m		3	1	2
Tin	ppm	ASTM D5185m	>10	0	0	2
Antimony	ppm	ASTM D5185m	- 10		0	5
Vanadium		ASTM D5185m		 <1	0	0
Cadmium	ppm			<1	0	0
	ppm	ASTM D5185m		U	-	-
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		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	2
Magnesium	ppm	ASTM D5185m	90	40	57	52
Calcium	ppm	ASTM D5185m	2	0	0	<1
Phosphorus	ppm	ASTM D5185m		0	0	<1
Zinc	ppm	ASTM D5185m		1	0	6
Sulfur	ppm	ASTM D5185m		20978	17126	3743
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	1
Sodium	ppm	ASTM D5185m		11	11	11
Potassium	ppm	ASTM D5185m	>20	<1	0	2
Water	%	ASTM D6304	>0.05	0.016	0.024	0.014
ppm Water	ppm	ASTM D6304	>500	169	247.3	147.3
FLUID CLEANLINI	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		5108	4806	4279
Particles >6µm		ASTM D7647	>1300	<u> </u>	527	872
		ASTM D7647	>80	146	17	48
Particles >14µm		ASTM D7647	>20	4 3	4	12
		AOTIM DTOTT		-		
Particles >21µm			>4	2	0	0
Particles >21µm Particles >38µm		ASTM D7647			0	0
Particles >14μm Particles >21μm Particles >38μm Particles >71μm Oil Cleanliness				2 0 20/18/14		
Particles >21µm Particles >38µm Particles >71µm	TION	ASTM D7647 ASTM D7647	>3	0	0	0

Acid Number (AN)

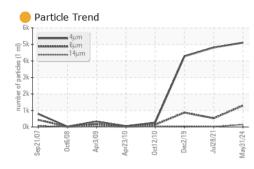
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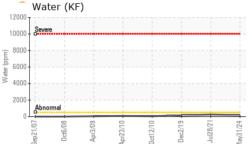
Contact/Location: SERVICE MANAGER - BCSELD

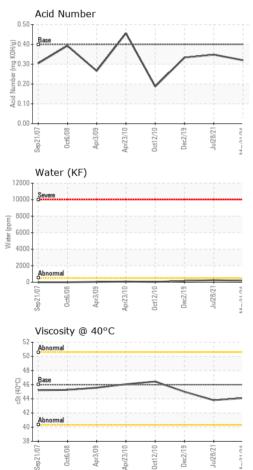




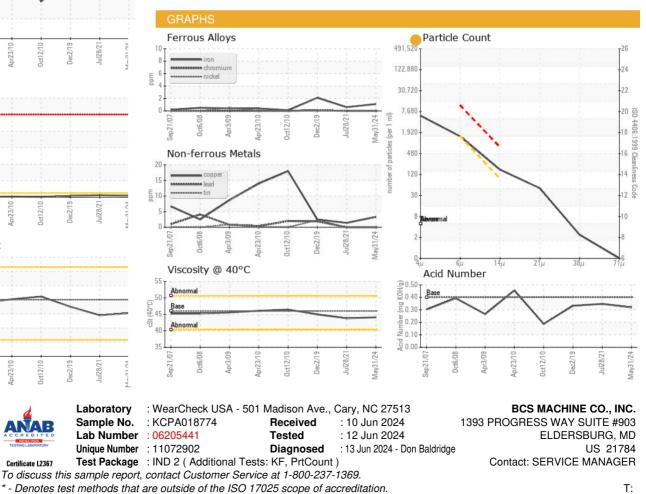
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.1	43.8	45.0
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						



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

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Contact/Location: SERVICE MANAGER - BCSELD

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