

OIL ANALYSIS REPORT

KAESER SX7.5 4031315 (S/N 1162) Component

Compressor

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

DIAGNOSIS

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

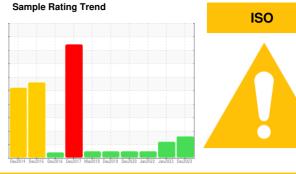
All component wear rates are normal.

Contamination

There is a high 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		KCPA010416	KCP54663	KCP48596
Sample Date		Client Info		29 Dec 2023	10 Jan 2023	23 Jan 2022
Machine Age	hrs	Client Info		20136	16788	13443
Oil Age	hrs	Client Info		0	3345	4700
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
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		0	0	0
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m		<1	<1	<1
Tin	ppm	ASTM D5185m		<1	0	<1
Antimony		ASTM D5185m	210	<1 		0
,	ppm					
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	2	23
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	100	55	54	67
Calcium	ppm	ASTM D5185m	0	3	<1	0
Phosphorus	ppm	ASTM D5185m	0	2	29	3
Zinc	ppm	ASTM D5185m	0	5	10	8
Sulfur	ppm	ASTM D5185m	23500	18618	16835	18633
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		13	12	14
Potassium	ppm	ASTM D5185m	>20	1	2	0
Water	%	ASTM D6304	>0.05	0.015	0.016	0.017
ppm Water	ppm	ASTM D6304		153	169.8	176.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		10168	4823	3143
Particles >6µm		ASTM D7647	>1300	<u> </u>	▲ 1500	865
Particles >14µm		ASTM D7647	>80	<u> </u>	▲ 123	54
Particles >21µm		ASTM D7647		▲ 47	24	12
Particles >38µm		ASTM D7647	>4	3	3	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	▲ 21/19/15	▲ 19/18/14	17/13
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.37	0.33	0.33
	ing KOR/g	AG I IVI D0040	1.0	U.J/		

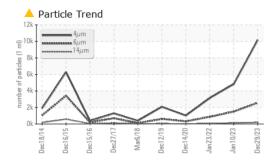
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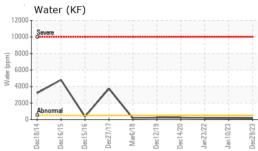
Contact/Location: DOUG MILLWOOD - CONSUW

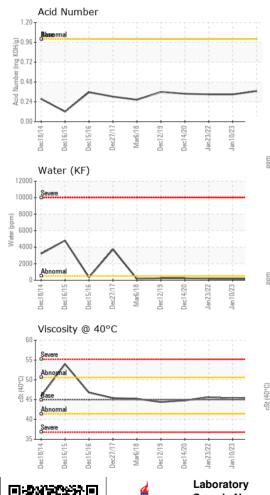


Built for a lifetime.

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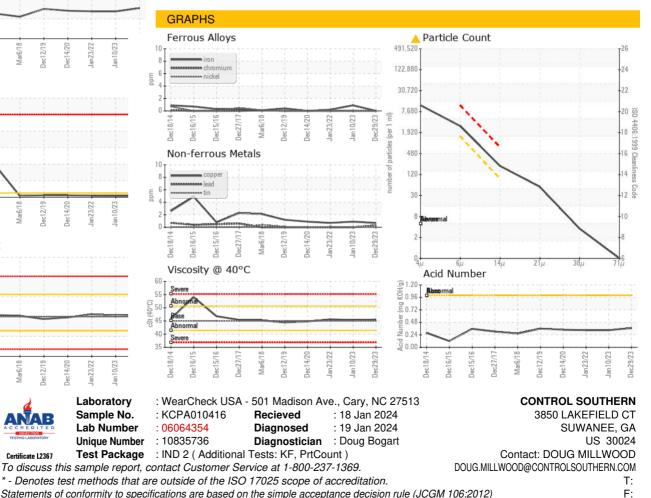






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	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	45	45.5	45.3	45.6
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						

Bottom



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

Certificate L2367

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