

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

KAESER SX 5 5771065 (S/N 1594)

Component Compressor Fluid

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and 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 acceptable for the time in service.

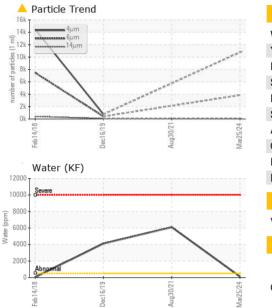
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015943	KCP11887	KCP22054
Sample Date		Client Info		25 Mar 2024	30 Aug 2021	16 Dec 2019
Machine Age	hrs	Client Info		3521	1909	1075
Oil Age	hrs	Client Info		1612	0	500
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	SEVERE	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	0	0
Lead	ppm	ASTM D5185m	>10	0	<1	<1
Copper	ppm	ASTM D5185m	>50	2	2	2
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m			0	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	<1
Barium	ppm	ASTM D5185m		24	42	12
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Vagnesium	ppm	ASTM D5185m	100	35	49	14
Calcium	ppm	ASTM D5185m	0	4	0	<1
Phosphorus	ppm	ASTM D5185m	0	0	3	4
Zinc	ppm	ASTM D5185m	0	50	10	36
Sulfur	ppm	ASTM D5185m		22728	16774	18064
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m			0	<1
Sodium	ppm		>20	0		0
	ppm	ASTM D5185m ASTM D5185m	>20	25 5	<1 0	<1
Potassium Water	ppm %	ASTM D5185m ASTM D6304		5 0.012	↓ 0.609	< 0.411
opm Water	^{7₀} ppm	ASTM D6304 ASTM D6304		121	▲ 0.809 ▲ 6090	▲ 0.411 ▲ 4110
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FLUID CLEANLIN	200	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	1000	10768		756
Particles >6µm		ASTM D7647		▲ 3853		412
Particles >14µm		ASTM D7647	>80	▲ 122		70
Particles >21µm		ASTM D7647		11		23
Particles >38µm		ASTM D7647	>4	0		3
Particles >71µm		ASTM D7647		0		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	21/19/14		16/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

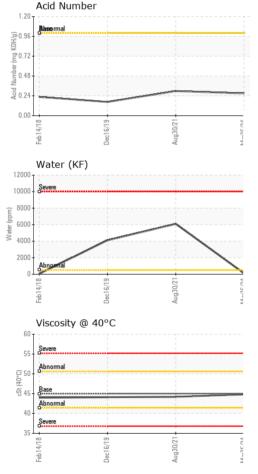
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Contact/Location: Service Manager - OLDCAS

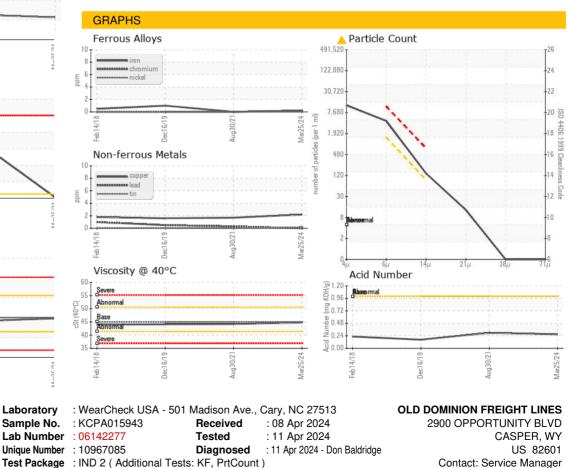


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	🔺 MODER	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	LAYRD
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	0.2%	0.2%
Free Water	scalar	*Visual		NEG	5 .0	▲ 5.0
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	44.8	44.2	44.1
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom						



* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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Certificate 12367

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