

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Machine Id

KAESER SFC 45 6090067 (S/N 1030)

Component Compressor Fluid

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

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

The aluminum level is abnormal. All other 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.

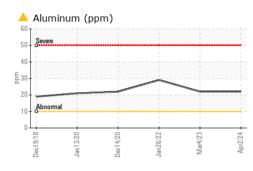
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013525	KCP54510	KCP48673
Sample Date		Client Info		02 Apr 2024	04 Mar 2023	26 Jan 2022
Machine Age	hrs	Client Info		10507	8620	6334
Oil Age	hrs	Client Info		3200	3000	2000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	2	3
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	<u> </u>	2 9
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm		>50	0	<1	<1
Tin		ASTM D5185m	>50	-	<1	<1
	ppm		>10	<1		
Antimony	ppm	ASTM D5185m				<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		1	2	4
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m	500	473	436	387
Zinc	ppm	ASTM D5185m		241	168	176
Sulfur	ppm	ASTM D5185m		2049	2149	1754
CONTAMINANTS		method	limit/base	current	history1	history2
0:11:	ppm					
Silicon		ASTM D5185m	>25	0	<1	<1
		ASTM D5185m ASTM D5185m	>25	0	<1 2	<1 5
Sodium	ppm	ASTM D5185m		3	2	5
Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>20	3 3	2 2	5 5
Silicon Sodium Potassium Water ppm Water	ppm ppm %	ASTM D5185m	>20	3	2	5
Sodium Potassium Water	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304	>20 >0.05	3 3 0.003	2 2 0.016 163.5	5 5 ▲ 0.402 ▲ 4020
Sodium Potassium Water ppm Water FLUID CLEANLIN	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	>20 >0.05 >500	3 3 0.003 38 current	2 2 0.016 163.5 history1	5 5 ▲ 0.402
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	>20 >0.05 >500 limit/base	3 3 0.003 38 current 1517	2 2 0.016 163.5 history1 1982	5 5 ▲ 0.402 ▲ 4020 history2
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647	>20 >0.05 >500 limit/base >1300	3 3 0.003 38 <u>current</u> 1517 352	2 2 0.016 163.5 history1 1982 499	5 5 ▲ 0.402 ▲ 4020 history2
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647	>20 >0.05 >500 limit/base >1300 >80	3 3 0.003 38 <u>current</u> 1517 352 27	2 2 0.016 163.5 history1 1982 499 37	5 5 ▲ 0.402 ▲ 4020 history2
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >0.05 >500 limit/base >1300 >80 >20	3 3 0.003 38 <u>current</u> 1517 352 27 7	2 2 0.016 163.5 history1 1982 499 37 11	5 5 ▲ 0.402 ▲ 4020 history2
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >0.05 >500 limit/base >1300 >80 >20 >4	3 3 0.003 38 current 1517 352 27 7 7 0	2 2 0.016 163.5 history1 1982 499 37 11 2	5 5 4 0.402 ▲ 4020 history2
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >0.05 >500 limit/base >1300 >80 >20 >4 >3	3 3 0.003 38 <u>current</u> 1517 352 27 7 0 0 0	2 2 0.016 163.5 history1 1982 499 37 11 2 0	5 5 ▲ 0.402 ▲ 4020 history2
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >0.05 >500 limit/base >1300 >80 >20 >4	3 3 0.003 38 current 1517 352 27 7 7 0	2 2 0.016 163.5 history1 1982 499 37 11 2	5 5 ▲ 0.402 ▲ 4020 history2
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm % ppm ESS	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >0.05 >500 limit/base >1300 >80 >20 >4 >3	3 3 0.003 38 <u>current</u> 1517 352 27 7 0 0 0	2 2 0.016 163.5 history1 1982 499 37 11 2 0	5 0.402 ▲ 0.402 history2

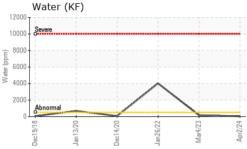
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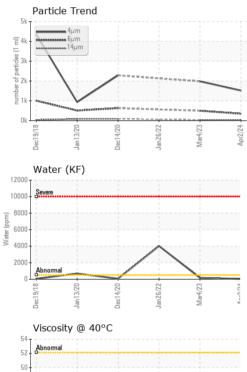
Contact/Location: K. KREYENNAGEN - THESANCA

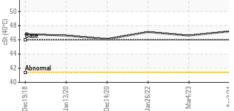


OIL ANALYSIS REPORT







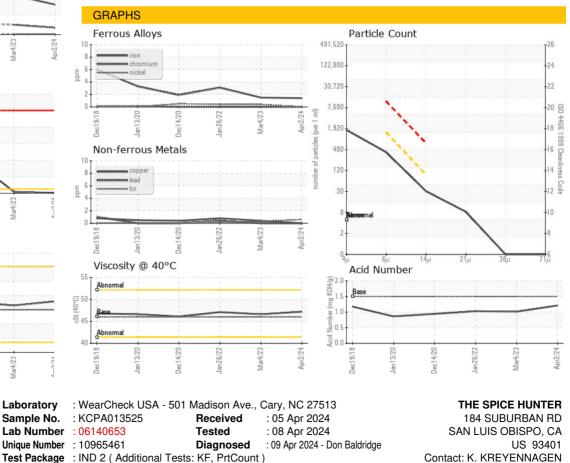


Certificate 12367

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	NONE	🔺 MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	- HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	0.2%
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	47.2	46.6	47.1
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						



Bottom



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

* - 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)

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