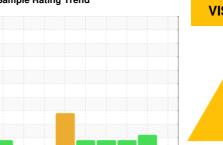


OIL ANALYSIS REPORT

Sample Rating Trend



VIS DEBRIS

Machine Id

KAESER SFC 90S 5311192 (S/N 1010)

Component

Compressor

KAESER SIGMA (OEM) FG-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. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

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

		Jun2017 De	c2017 Aug2020 Aug2021	Feb2022 Jul2022 Feb2023 Jul202	3 Jan2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA008833	KCPA004033	KCP47599D
Sample Date		Client Info		31 Jan 2024	14 Jul 2023	17 Feb 2023
Machine Age	hrs	Client Info		71541	67078	63562
Oil Age	hrs	Client Info		0	0	5000
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	3	2
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	6	△ 34	<u></u> 11
Lead	ppm	ASTM D5185m	>10	3	0	0
Copper	ppm	ASTM D5185m	>50	4	1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
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	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		2	<1	0
Magnesium	ppm	ASTM D5185m		2	<1	<1
Calcium	ppm	ASTM D5185m		1	0	0
Phosphorus	ppm	ASTM D5185m	500	176	275	403
Zinc	ppm	ASTM D5185m		163	75	368
Sulfur	ppm	ASTM D5185m		1533	1905	1859
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	0
Sodium	ppm	ASTM D5185m	720	3	2	1
Potassium	ppm	ASTM D5185m	>20	4	<1	0
Water	%	ASTM D6304	>0.05	0.004	0.005	0.004
ppm Water	ppm	ASTM D6304	>500	42	57.3	41.4
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647				6975
Particles >6µm		ASTM D7647	>1300			1036
Particles >14µm		ASTM D7647	>80			43
Particles >21µm		ASTM D7647				9
Particles >38µm		ASTM D7647	>4			0
Particles >71µm		ASTM D7647				0
Oil Cleanliness		ISO 4406 (c)	>/17/13			20/17/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	0.78	1.10	1.05
ACIO INUITIDEI (AIN)	ilig NO⊓/g	A3 1 WI D0043	1.0	0.70	1.10	1.00



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10859775

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA008833 Recieved : 06077684 Diagnosed

: 04 Feb 2024

Diagnostician : Don Baldridge

: 01 Feb 2024

Test Package : IND 2 (Additional Tests: KF, PrtCount) 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)

SARTORI COMPANY

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T: F:

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