

OIL ANALYSIS REPORT

Sample Rating Trend **WEAR**

Machine Id KAESER CSD 100ST 6907603 (S/N 1141) Component Compressor

Fluid

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

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

🔺 Wear

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

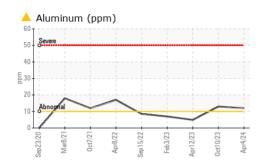
Fluid Condition

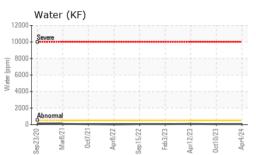
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

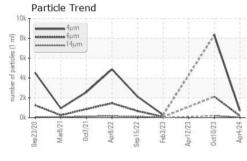
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC121281	KC05981227	KC102604
Sample Date		Client Info		04 Apr 2024	10 Oct 2023	12 Apr 2023
Machine Age	hrs	Client Info		16054	15642	14014
Oil Age	hrs	Client Info		0	0	1432
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				MARGINAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	8	<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	>10	<u> </u>	1 3	5
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	5	4	8
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		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		1	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	500	446	385	439
Zinc	ppm	ASTM D5185m		117	219	174
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	0
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.005	0.005	0.008
ppm Water	ppm	ASTM D6304	>500	59	55.8	83.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		701	8339	
Particles >6µm		ASTM D7647	>1300	180	<u> </u>	
Particles >14µm		ASTM D7647	>80	18	1 94	
Particles >21µm		ASTM D7647	>20	6	▲ 54	
Particles >38µm		ASTM D7647	>4	0	2	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/15/11	▲ 20/18/15	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	1.63	1.17	1.44

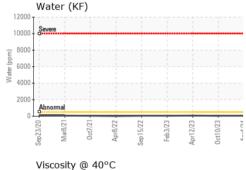


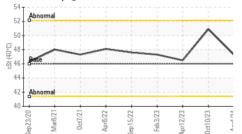
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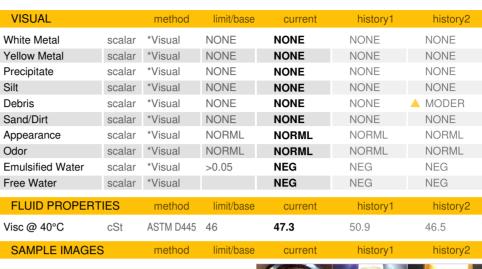








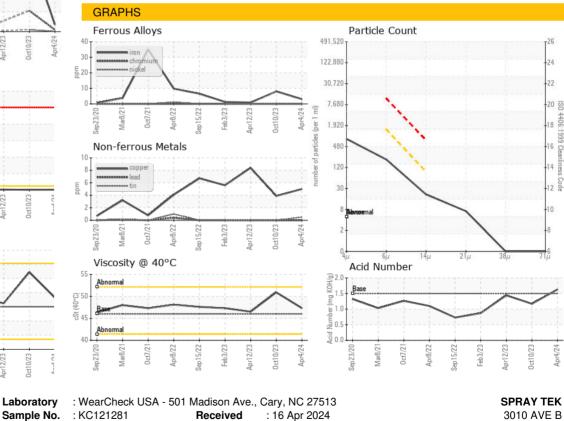




Color



Bottom



: 17 Apr 2024

: 17 Apr 2024 - Doug Bogart



SPRAY TEK 3010 AVE B BETHLEHEM, PA US 18017 Contact: SERVICE MANAGER

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

: 06150357

* - 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)

Tested

Diagnosed

Report Id: SPRBET [WUSCAR] 06150357 (Generated: 04/17/2024 20:21:16) Rev: 1

Certificate 12367

Lab Number

Unique Number : 10980435

Test Package : IND 2

Contact/Location: SERVICE MANAGER ? - SPRBET

T:

F:

1406

6661