

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id KAESER CSD 100 4598263 (S/N 1074)

Compressor

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

DIAGNOSIS

Recommendation

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

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

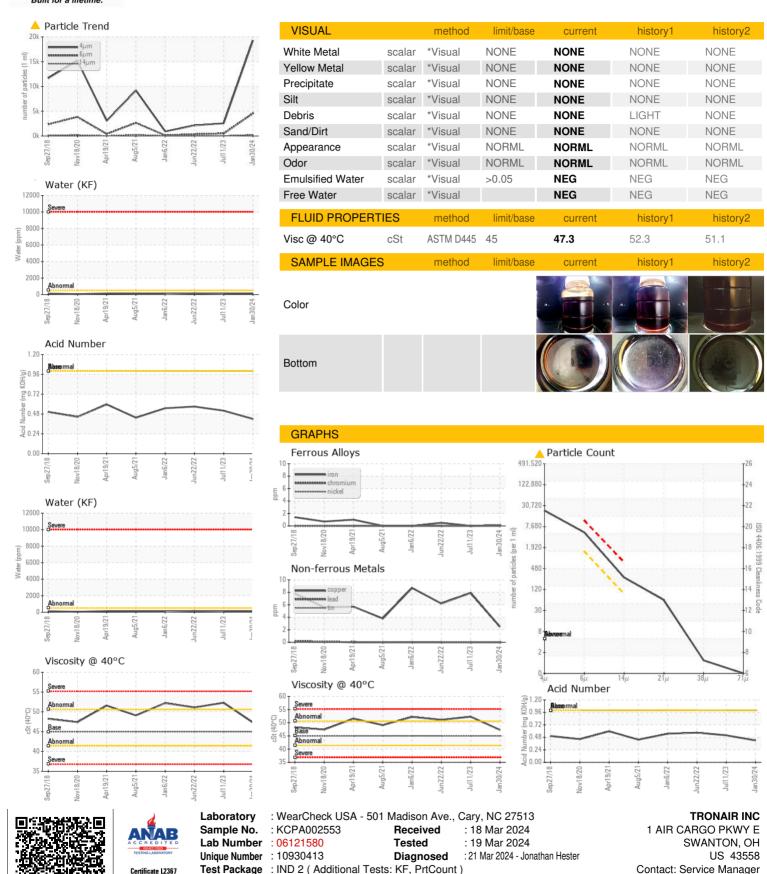
Fluid Condition

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

		Sep2018 N	lov2020 Apr2021 Aug20	21 Jan2022 Jun2022 Jul2023	Jan2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA002553	KC06005637	KCP51500
Sample Date		Client Info		30 Jan 2024	11 Jul 2023	22 Jun 2022
Machine Age	hrs	Client Info		49325	48419	44958
Oil Age	hrs	Client Info		0	0	3198
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	<1
Chromium	ppm	ASTM D5185m	>10	<1	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	2	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	2	8	6
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				
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	2
Barium	ppm	ASTM D5185m	90	5	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		2	0	0
Magnesium	ppm	ASTM D5185m	100	50	0	0
Calcium	ppm	ASTM D5185m	0	2	0	0
Phosphorus	ppm	ASTM D5185m	0	0	0	24
Zinc	ppm	ASTM D5185m	0	12	0	2
Sulfur	ppm	ASTM D5185m	23500	24293	19890	20426
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	0
Sodium	ppm	ASTM D5185m		16	<1	<1
Potassium	ppm	ASTM D5185m	>20	15	1	0
Water	%	ASTM D6304	>0.05	0.009	0.009	0.015
ppm Water	ppm	ASTM D6304	>500	90	99.4	150.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		19304	2559	2137
Particles >6µm		ASTM D7647	>1300	4560	507	350
Particles >14μm		ASTM D7647	>80	235	22	12
Particles >21µm		ASTM D7647	>20	<u>▲</u> 53	7	3
Particles >38µm		ASTM D7647	>4	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> </u>	19/16/12	18/16/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



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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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