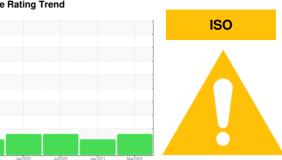


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER SX 5 6711210 (S/N 1151)

Compressor

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

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

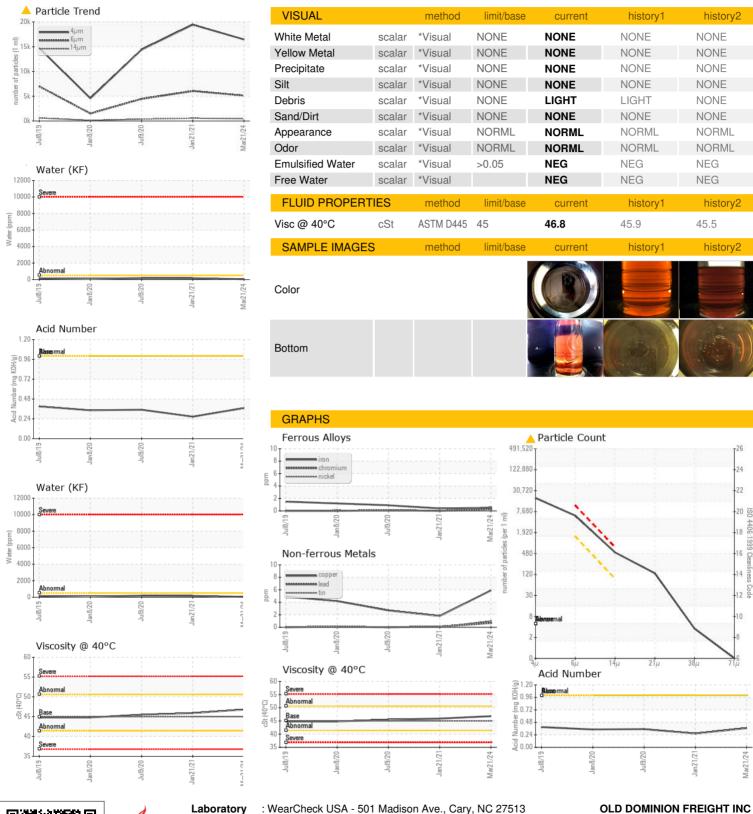
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Jul2019	Jan2020	Jul2020 Jan2021	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015750	KCP28024	KCP22904
Sample Date		Client Info		21 Mar 2024	21 Jan 2021	09 Jul 2020
Machine Age	hrs	Client Info		30961	16148	12200
Oil Age	hrs	Client Info		200	1500	4000
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	0
Lead	ppm	ASTM D5185m	>10	<1	<1	0
Copper	ppm	ASTM D5185m	>50	6	2	3
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		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m	90	2	7	28
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	100	15	54	38
Calcium	ppm	ASTM D5185m	0	4	<1	1
Phosphorus	ppm	ASTM D5185m	0	0	7	3
Zinc	ppm	ASTM D5185m	0	14	<1	8
Sulfur	ppm	ASTM D5185m	23500	22942	17107	18332
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	2
Sodium	ppm	ASTM D5185m		7	20	10
Potassium	ppm	ASTM D5185m	>20	2	2	1
Water	%	ASTM D6304	>0.05	0.005	0.016	0.018
ppm Water	ppm	ASTM D6304	>500	51	165.0	187.1
ppm Water FLUID CLEANLIN		ASTM D6304 method	>500 limit/base	51 current	165.0 history1	187.1 history2
FLUID CLEANLIN Particles >4µm				current 16458		
FLUID CLEANLIN		method ASTM D7647 ASTM D7647	limit/base	current	history1	history2
FLUID CLEANLIN Particles >4µm		method ASTM D7647	limit/base	current 16458	history1 19425	history2 14383
FLUID CLEANLIN Particles >4µm Particles >6µm		method ASTM D7647 ASTM D7647	limit/base	current 16458 ▲ 5116	history1 19425 • 6046	history2 14383 • 4459
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm		method ASTM D7647 ASTM D7647 ASTM D7647	limit/base	current 16458 ▲ 5116 ▲ 454	history1 19425 ▲ 6046 ▲ 543	history2 14383 ▲ 4459 ▲ 373
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base	current 16458 16458 1116 1454 115	history1 19425 • 6046 • 543 • 118	history2 14383 4459 373 62
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >80 >20 >4	current 16458 16458 1116 115 3	history1 19425 ▲ 6046 ▲ 543 ▲ 118 3	history2 14383 4459 373 62 5

0.37



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: KCPA015750 Lab Number : 06144299

Unique Number: 10969107

Tested : 11 Apr 2024 Diagnosed : 11 Apr 2024 - Doug Bogart

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.

Received

: 10 Apr 2024

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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