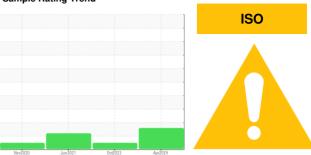


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER SM 10T 7136998 (S/N 1088)

Compressor

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

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

All component wear rates are normal.

Contamination

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

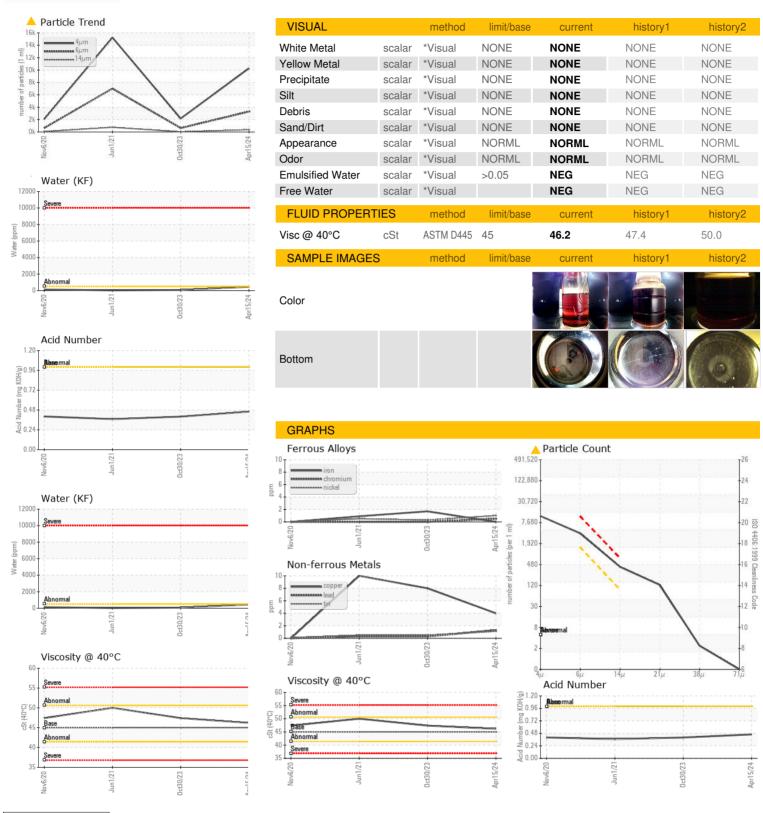
Fluid Condition

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

Novi2020 Jun2021 Oct2023 Apr2024						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016749	KCPA009134	KCP33839
Sample Date		Client Info		15 Apr 2024	30 Oct 2023	01 Jun 2021
Machine Age	hrs	Client Info		22191	22059	12086
Oil Age	hrs	Client Info		0	0	3947
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	2	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	1	<1	<1
Titanium	ppm	ASTM D5185m	>3	<1	<1	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	2	<1
Lead	ppm	ASTM D5185m	>10	1	<1	<1
Copper	ppm	ASTM D5185m	>50	4	8	10
Tin	ppm	ASTM D5185m	>10	1	<1	<1
Antimony	ppm	ASTM D5185m				1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	14
Barium	ppm	ASTM D5185m	90	8	0	0
Molybdenum	ppm	ASTM D5185m	0	1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	100	44	8	2
Calcium	ppm	ASTM D5185m	0	5	<1	0
Phosphorus	ppm	ASTM D5185m	0	2	0	7
Zinc	ppm	ASTM D5185m	0	41	56	5
Sulfur	ppm	ASTM D5185m	23500	22727	20401	17576
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	<1	1
Sodium	ppm	ASTM D5185m		7	0	1
Potassium	ppm	ASTM D5185m	>20	3	3	<1
Water	%	ASTM D6304	>0.05	0.044	0.007	0.003
ppm Water	ppm	ASTM D6304	>500	450	75	30.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
FLUID CLEANLIN	IESS	method ASTM D7647	limit/base	current 10277	history1 2170	history2 15245
	IESS					
Particles >4µm	IESS	ASTM D7647		10277	2170	15245
Particles >4µm Particles >6µm	IESS	ASTM D7647 ASTM D7647	>1300	10277 ▲ 3297	2170 627	15245 ^ 7008
Particles >4µm Particles >6µm Particles >14µm	IESS	ASTM D7647 ASTM D7647 ASTM D7647	>1300 >80	10277 ▲ 3297 ▲ 362	2170 627 28	15245 ^ 7008 ^ 753
Particles >4μm Particles >6μm Particles >14μm Particles >21μm	IESS	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >80 >20	10277 ▲ 3297 ▲ 362 ▲ 110	2170 627 28 6	15245 ^ 7008 ^ 753 ^ 177
Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	IESS	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >80 >20 >4	10277 ▲ 3297 ▲ 362 ▲ 110	2170 627 28 6 0	15245 ^ 7008 ^ 753 ^ 177 3



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Laboratory Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 06159799

: KCPA016749 Unique Number : 10995222

Diagnosed : 26 Apr 2024 - Don Baldridge Test Package : IND 2 (Additional Tests: KF, PrtCount)

Received

Tested

: 24 Apr 2024

: 25 Apr 2024

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.

ALRO STEEL 555 HILLIARD ROME RD COLUMBUS, OH US 43228

Contact: Service Manager

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: Contact/Location: Service Manager - ALRCOL

T: