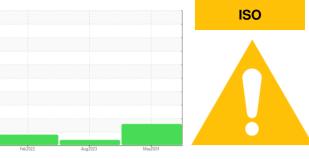


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 4539914

Component Compressor Fluid KAESER SIGMA (OEM) M-460 (--- GAL)

DIAGNOSIS

A Recommendation

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.

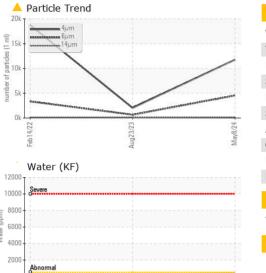
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013368	KCPA002875	KCP40995
Sample Date		Client Info		08 May 2024	23 Aug 2023	14 Feb 2022
Machine Age	hrs	Client Info		53903	50739	43947
Dil Age	hrs	Client Info		3164	0	3369
Oil Changed		Client Info		Changed	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	<1
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	2	3	1
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m				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	2
Barium	ppm	ASTM D5185m	90	62	49	26
Volybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	106	63	81
Calcium	ppm	ASTM D5185m	0	3	4	<1
Phosphorus	ppm	ASTM D5185m	0	2	6	5
Zinc	ppm	ASTM D5185m	0	8	12	6
Sulfur	ppm	ASTM D5185m	23500	32621	22217	18404
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	9	5
Sodium	ppm	ASTM D5185m		36	27	21
Potassium	ppm	ASTM D5185m	>20	7	6	3
Water	%	ASTM D6304		0.034	0.021	0.019
						195.0
ppm Water	ppm	ASTM D6304	>500	341	211.1	195.0
ppm Water FLUID CLEANLIN		ASTM D6304 method	>500 limit/base	341 current	211.1 history1	history2
FLUID CLEANLIN						
FLUID CLEANLIN Particles >4μm		method		current	history1	history2
FLUID CLEANLIN Particles >4μm Particles >6μm		method ASTM D7647	limit/base	current 11770	history1 2040	history2 18758
Particles >4μm Particles >6μm Particles >14μm		method ASTM D7647 ASTM D7647	limit/base >1300 >80	current 11770 ▲ 4542	history1 2040 649	history2 18758 ▲ 3345
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm		method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80	current 11770 ▲ 4542 ▲ 161	history1 2040 649 69	history2 18758 ▲ 3345 ● 113
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80 >20 >4	current 11770 ▲ 4542 ▲ 161 ▲ 22	history1 2040 649 69 18	history2 18758 ▲ 3345 ● 113 21
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80 >20 >4	current 11770 ▲ 4542 ▲ 161 ▲ 22 1	history1 2040 649 69 18 1	history2 18758 ▲ 3345 ● 113 21 1
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm Particles >71μm	ESS	method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80 >20 >4 >3	current 11770 ▲ 4542 ▲ 161 ▲ 22 1	history1 2040 649 69 18 1 1 0	history2 18758 ▲ 3345 ● 113 21 1 0

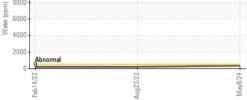
Report Id: JACSAC [WUSCAR] 06180671 (Generated: 05/18/2024 17:12:07) Rev: 1

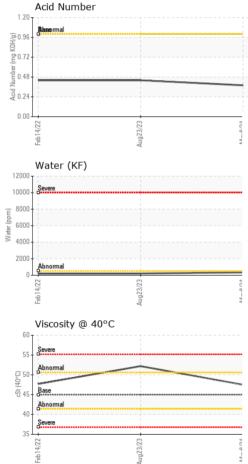
Contact/Location: SILVIA MEJIA - JACSAC



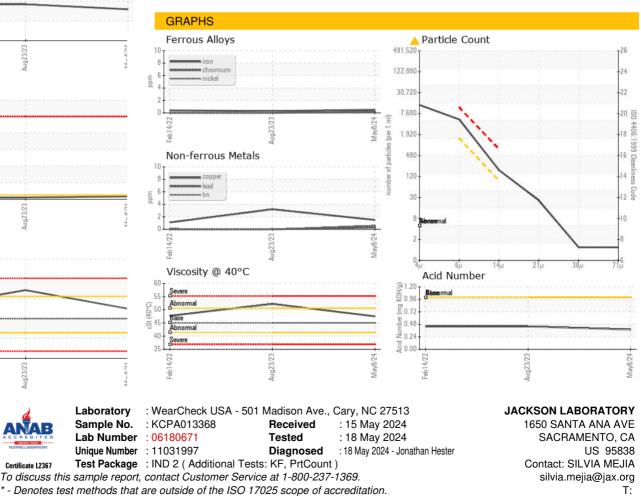
OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	47.5	52.2	47.7
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						
Bottom						6



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: JACSAC [WUSCAR] 06180671 (Generated: 05/18/2024 17:12:07) Rev: 1

Certificate 12367

Contact/Location: SILVIA MEJIA - JACSAC

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