

OIL ANALYSIS REPORT

KAESER ASD 40 4904959 (S/N 1003)

Compressor Fluid

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count on this sample.

Wear

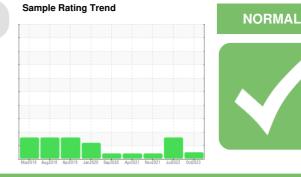
All component wear rates are normal.

Contamination

There is no indication of any contamination 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		KCPA007908	KC96313	KCP43566
Sample Date		Client Info		27 Oct 2023	25 Jul 2022	17 Nov 2021
Machine Age	hrs	Client Info		51827	0	43016
Oil Age	hrs	Client Info		0	0	2064
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	2
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	<1	2
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	10	3	6
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				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	1	0
Barium	ppm	ASTM D5185m	90	<1	11	4
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	31	32	37
Calcium	ppm	ASTM D5185m	2	<1	0	1
Phosphorus	ppm	ASTM D5185m		0	2	5
Zinc	ppm	ASTM D5185m		32	26	65
Sulfur	ppm	ASTM D5185m		20564	21515	16994
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	2
Sodium	ppm	ASTM D5185m		11	8	12
Potassium	ppm	ASTM D5185m	>20	4	<1	2
Water	%	ASTM D6304	>0.05	0.019	0.016	0.008
ppm Water	ppm	ASTM D6304	>500	194.1	162.2	89.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			7505	
Particles >6µm		ASTM D7647	>1300		A 3298	
Particles >14µm		ASTM D7647	>80		à 367	
Particles >21µm		ASTM D7647	>20		1 25	
Particles >38µm		ASTM D7647	>4		3	
Particles >71µm		ASTM D7647	>3		0	
Oil Cleanliness		ISO 4406 (c)	>/17/13		a 20/19/16	
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	ma KOH/a	ASTM D8045	0.4	0.38	0.42	0.430

Acid Number (AN) mg KOH/g ASTM D8045 0.4

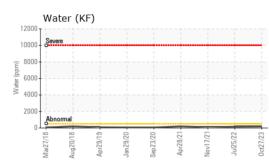
0.38 0.42 0.430

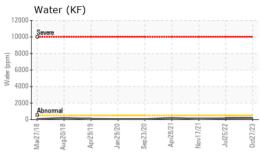
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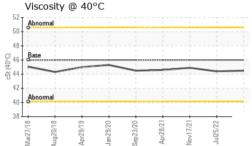
Contact/Location: Service Manager - BAYSTE



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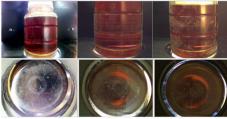




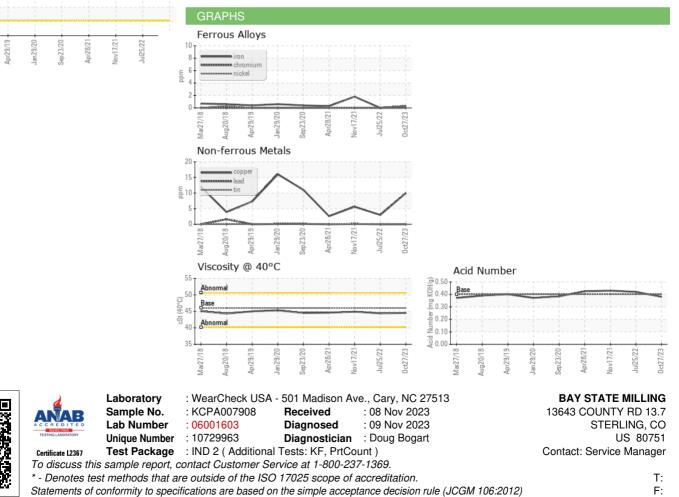


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	A MODER
Sand/Dirt	scalar	*Visual	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 PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.5	44.4	44.9
SAMPLE IMAGES		method	limit/base	current	history1	history2
						AND DESCRIPTION OF TAXABLE

Color



Bottom



Contact/Location: Service Manager - BAYSTE