

OIL ANALYSIS REPORT

KAESER ESD 250 5519337 (S/N 1038)

Compressor

KAESER SIGMA (OEM) S-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

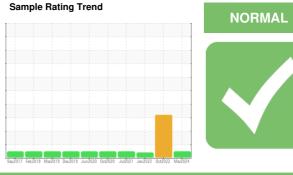
All component wear rates are normal.

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.



SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013758	KCP46325	KCP41203
Sample Date		Client Info		19 Mar 2024	18 Oct 2022	03 Jan 2022
Machine Age	hrs	Client Info		28702	23080	20374
Oil Age	hrs	Client Info		2700	2700	5600
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	<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	<1	2
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	8	17	11
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
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	90	1	3	0
Calcium	ppm	ASTM D5185m	2	3	0	0
Phosphorus	ppm	ASTM D5185m		0	1	2
Zinc	ppm	ASTM D5185m		0	5	6
Sulfur	ppm	ASTM D5185m		19180	19632	15110
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	0
Sodium	ppm	ASTM D5185m		0	2	4
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.05	0.005	0.329	0.006
ppm Water	ppm	ASTM D6304		54	3290	60.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1088		
Particles >6µm		ASTM D7647	>1300	490		
Particles >14µm		ASTM D7647	>80	80		
Particles >21µm		ASTM D7647	>20	25		
Particles >38µm		ASTM D7647	>4	2		
Particles >71µm		ASTM D7647	>3	0		
Particles >7 μ m		AOTIVI DTOTT	20	•		
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/16/13		

Acid Number (AN) mg KOH

mg KOH/g ASTM D8045 0.4

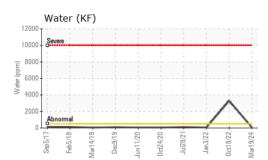
0.41 0.36 0.38

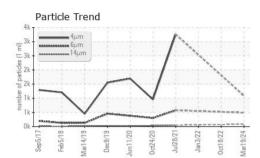
Report Id: BASSPA [WUSCAR] 06131432 (Generated: 04/01/2024 15:39:01) Rev: 1

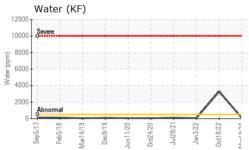
Contact/Location: CLAUDE HOLBROOK - BASSPA

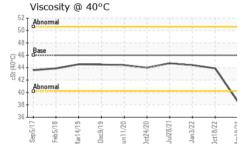


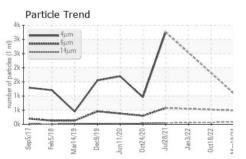
OIL ANALYSIS REPORT







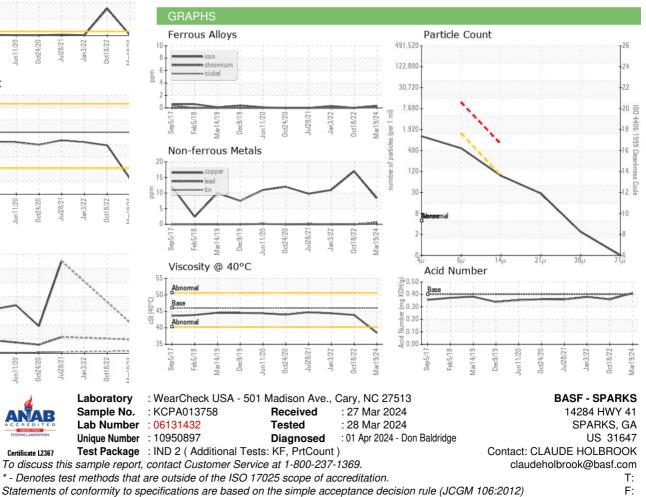




回希

VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	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	🔺 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	▲ 0.2%	NEG
Free Water	scalar	*Visual		NEG	1 .0	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	38.5	43.9	44.4
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color				a.		
					11 Aller	

Bottom



Report Id: BASSPA [WUSCAR] 06131432 (Generated: 04/01/2024 15:39:01) Rev: 1

Certificate L2367

Contact/Location: CLAUDE HOLBROOK - BASSPA