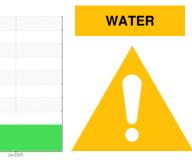


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER AIRTOWER 7.5C 5423522 (S/N 1398)

Compressor

Fluid 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. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris 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	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA012309	KCP21901	
Sample Date		Client Info		06 Jun 2024	03 Jan 2020	
Machine Age	hrs	Client Info		1593	579	
Oil Age	hrs	Client Info		1593	579	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	6	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	0	0	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	39	4	
Tin			>50 >10	0	4 <1	
Antimony	ppm	ASTM D5185m	210		<1	
Antimony Vanadium	ppm	ASTM D5185m		0	0	
	ppm					
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	
Barium	ppm	ASTM D5185m	90	<1	36	
Molybdenum	ppm	ASTM D5185m	0	0	<1	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	100	5	70	
Calcium	ppm	ASTM D5185m	0	3	1	
Phosphorus	ppm	ASTM D5185m	0	4	3	
Zinc	ppm	ASTM D5185m	0	74	14	
Sulfur	ppm	ASTM D5185m	23500	23718	24787	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>25	2	2	
Sodium	ppm	ASTM D5185m	225	3	9	
Potassium	ppm	ASTM D5185m	>20	3	2	
	ppm			o.135		
Water	%	ASTM D6304 ASTM D6304			0.023	
ppm Water	ppm	ASTIVI D0304	>500	1350	239.2	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			21960	
Particles >6µm		ASTM D7647			<u>∧</u> 7961	
Particles >14µm		ASTM D7647	>80		<u> </u>	
Particles >21µm		ASTM D7647	>20		<u> </u>	
Particles >38µm		ASTM D7647	>4		<u> </u>	
Particles >71µm		ASTM D7647	>3		0	
Oil Cleanliness		ISO 4406 (c)	>/17/13		2 0/17	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) :55:21) Rev: 1	mg KOH/g	ASTM D8045	1.0 Co	0.31 ntact/Location: 3	0.364 Service Manage	r - BROCOLO

Report Id: BROCOLOH [WUSCAR] 06216296 (Generated: 06/23/2024 13:55:21) Rev: 1

Contact/Location: Service Manager - BROCOLOH



OIL ANALYSIS REPORT

method

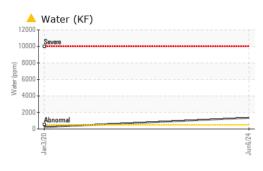
limit/base

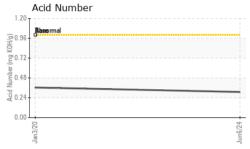
current

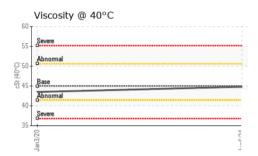
historv1

historv2

VISUAL







White Metal Yellow Metal				current		history2
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE		LIGHT	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPERT	IES	method	limit/base	current	history1	history
Visc @ 40°C	cSt	ASTM D445	45	44.8	43.5	
SAMPLE IMAGES	6	method	limit/base	current	history1	history
Color				a.		no image
Bottom						no image
0						
Non-ferrous Metal	5		Jun6/24			
Non-ferrous Metal	5		42gun6			
Non-ferrous Metals	5					
Non-ferrous Metal	5		Jun6/24			
Non-ferrous Metal	5		Jun624	Acid Number		
Non-ferrous Metal	5		Jun624			
Non-ferrous Metal	5		Jun624			
Non-ferrous Metals	5		Jun624			
Non-ferrous Metals	5		1.21 (0,10) (0,1	6 Bisso mal		
Non-ferrous Metals	5			6 Bisso mal		

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.

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

Certificate L2367

Contact/Location: Service Manager - BROCOLOH Page 2 of 2

T:

F: