

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

5021800 (S/N 1016) 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.

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	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC06150366		
Sample Date		Client Info		03 Apr 2024		
Machine Age	hrs	Client Info		59168		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m		10		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m	210	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	ppm		limit/base	-		
		method	innii/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m	90	0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	90	0		
Calcium	ppm	ASTM D5185m	2	0		
Phosphorus	ppm	ASTM D5185m		0		
Zinc	ppm	ASTM D5185m		0		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.05	0.006		
ppm Water	ppm	ASTM D6304	>500	66		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		25950		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>80	<u> </u>		
Particles >21µm		ASTM D7647	>20	<u> </u>		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	A 22/20/16		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.39		
			5.1	0.00		

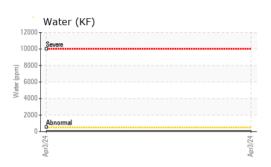
-COMPRESSORS

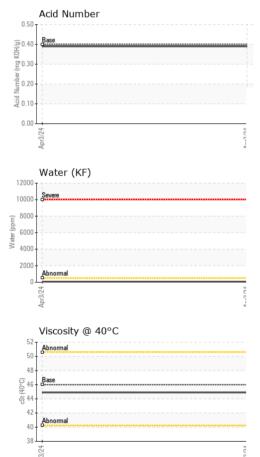
Built for a lifetime.

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🔺 Particle Trend 30k - 25 u [) 201 15k 14µm wimber of 10 5 0 Apr3/24 Anr3/74





OIL ANALYSIS REPORT

VISUAL		method	limit/base	current	history1	history
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.05	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERTI	IES	method	limit/base	current	history1	history
Visc @ 40°C	cSt	ASTM D445	46	44.9		
SAMPLE IMAGES	;	method	limit/base	current	history1	history
Color					no image	no image
Bottom					no image	no image
GRAPHS						
Ferrous Alloys				Particle Count		
10iron			491,520			
o analyze chromium			122,880			
			30,720			
2				\.		
0			7,680	N N		
Apr3/24			Apr3/24 . (per 1 ml)	, V		
			3) sajoje 19 480		N	
Non-ferrous Metals	, 		of part			
8 - copper			Apr3/24- 1705 170 170 170 170		1	
E 6			2 30		/	
					1	
2				Berese mal		\
Apr3/24			Apr3/24			
Apr			udy 04			
Viscosity @ 40°C			4	ہوں۔ Acid Number	14µ 21µ	38µ 71
55 Abnormal			€0.50	Τ		
50 - Abnormal			HO .40	Base		
() 0+ 45 ts			<u>ال</u> 0.30 تو			
40 - Abnormal			(b)HO() 0.40 (b)HO() 0.40 (b) 0.30 (b) 0.30 (c) 0.20 (c) 0.10 (c) 0.10 (c) 0.20 (c)			
35						
Apr3/24			Apr3/24 -	Apr3/24 -		
Ap			Ap	Ar		
: WearCheck USA - 501 : KC06150366 r : 06150366	Madisor Receiv	ved : 16	v, NC 27513 6 Apr 2024 7 Apr 2024		208 REBECC	& B MACH A`S POND CHRIEVER

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) T: F:

Certificate L2367

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