

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

KAESER 6733584

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

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 moderate 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		KCPA013452		
Sample Date		Client Info		01 Mar 2024		
Machine Age	hrs	Client Info		16751		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	6		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	90	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	100	4		
Calcium	ppm	ASTM D5185m	0	3		
Phosphorus	ppm	ASTM D5185m	0	0		
Zinc	ppm	ASTM D5185m	0	25		
Sulfur	ppm	ASTM D5185m	23500	22990		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.05	0.007		
ppm Water	ppm	ASTM D6304	>500	73		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2179		
Particles >6µm		ASTM D7647	>1300	769		
Particles >14µm		ASTM D7647	>80	<mark> </mark> 85		
Particles >21µm		ASTM D7647	>20	28		
Particles >38µm		ASTM D7647	>4	2		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>/17/13	e 18/17/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.44		

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12000

(B/H0.9 KOH/8) E0.72

Pi 0.24 0.00

12000

10000 Severe

800 Water (ppm) 6000

Built for a lifetime."

OIL ANALYSIS REPORT

Bu	ilt for a lifetime".					
3k	Particle Trend	VISUAL		method	limit/base	e current
Ê 2k	4μm 6μm 14μm	White Metal Yellow Metal	scalar scalar	*Visual *Visual	NONE	NONE NONE
1) saunces of barricles (1) and 1 k		Precipitate Silt	scalar scalar	*Visual *Visual	NONE NONE	NONE NONE
E 1k		Debris Sand/Dirt	scalar scalar	*Visual *Visual	NONE NONE	NONE NONE
	Mar1/24	Appearance Odor	scalar scalar	*Visual *Visual	NORML NORML	NORML NORML
2000	Water (KF)	Emulsified Water Free Water	scalar scalar	*Visual *Visual	>0.05	NEG NEG
0000	Severe	FLUID PROPERT	IES	method	limit/base	e current
8000 6000		Visc @ 40°C	cSt	ASTM D445	45	49.0
4000		SAMPLE IMAGES	6	method	limit/base	e current
2000 0	Abnorma 	Color				
1.20 0.96	Acid Number	Bottom				
0.72		GRAPHS				
0.48		Ferrous Alloys				Particle Count
0.24		10 8			491,5	
	маr1/24	E 6 4			30,7	
2000-	Water (KF)	2			7,6	80-
0000	Severe	Mar1/24			Mar1/24 number of particles (per 1 ml)	020
3000 6000		Non-ferrous Metal	S		of particl	180-
1000		8 copper E 6 f			number	20-
2000	Abnormal	d 4 2				⁸ Bibrese mal
	Mar1/24	124 124 0			/24	2-
60	Viscosity @ 40°C	Viscosity @ 40°C			Mar1/24	0 4 _µ , 6 _µ
55	Severe	60 J				Acid Number
5 50	Abnormal	Abnormal			Acid Number (mg K0H/g)	.96 - Q
(n_0€) 13 45	Base	50 for Base 50 45 Abnormal		*****	0 ge	.48
40	Abnormal	40 - Severe			Acid Nu	24
35	Severe 	35 + 7/1 me W			Mar1/24	Mar1/24 00
	Mar1/24	Mi			W	W
	Laboratory	: WearCheck USA - 50 ⁻	1 Madier	on Ave Carv	NC 27513	1
ļ.	ANAB Sample No.	: KCPA013452	Rece	ived : 03	3 Apr 2024	, ,
		: 06137384 : 10956849	Teste Diagr		4 Apr 2024 Apr 2024 - Do	on Baldridge

AMERIPRIDE SERVICES INC 105 LANDRUM ST DURANT, MS US 39063 Contact: Service Manager

38,4

21µ

no image

no image

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0 4406:1999 Cle

14

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no image

Test Package : IND 2 (Additional Tests: KF, PrtCount) 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

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T: F:

Mar1/24