

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 7480390 (S/N 1508)

Component Compressor Fluid

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

DIAGNOSIS

Recommendation

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 acceptable for the time in service.

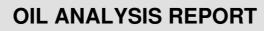
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016967	KCP39539	
Sample Date		Client Info		09 Apr 2024	16 Nov 2021	
Machine Age	hrs	Client Info		4297	1185	
Oil Age	hrs	Client Info		0	1185	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	<1	1	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m	>3	<1	<1	
Fitanium	ppm	ASTM D5185m	>3	<1	0	
Silver	ppm	ASTM D5185m	>2	<1	0	
Aluminum	ppm	ASTM D5185m	>10	3	<1	
_ead	ppm	ASTM D5185m	>10	۲ ۲	0	
Copper	ppm		>50	10	1	
Fin	ppm	ASTM D5185m	>10	10 <1	0	
		ASTM D5185m	210	<1 	1	
Antimony /anadium	ppm					
	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	19	
Barium	ppm	ASTM D5185m	90	4	10	
Nolybdenum	ppm	ASTM D5185m	0	<1	<1	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	100	43	88	
Calcium	ppm	ASTM D5185m	0	0	<1	
Phosphorus	ppm	ASTM D5185m	0	0	<1	
Zinc	ppm	ASTM D5185m	0	17	4	
Sulfur	ppm	ASTM D5185m	23500	19915	22984	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>25	1	<1	
Sodium	ppm	ASTM D5185m	00	6	13	
Potassium	ppm	ASTM D5185m	>20	5	23	
Water	%	ASTM D6304		0.018	0.023	
opm Water	ppm	ASTM D6304		186	235.6	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		54666	6469	
Particles >6µm			>1300	<u> </u>	1589	
Particles >14µm		ASTM D7647	>80	<u> </u>	82	
Particles >21µm		ASTM D7647	>20	<u> </u>	20	
Particles >38µm		ASTM D7647	>4	4	1	
Particles >71µm		ASTM D7647	>3	0	0	
Dil Cleanliness		ISO 4406 (c)	>/17/13	A 23/22/17	18/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
					index, j.	
Acid Number (AN)	mg KOH/g	ASTM D8045	10	0.39	0.355	

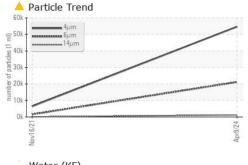
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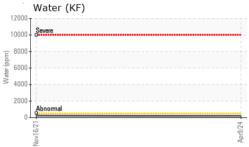
Contact/Location: Service Manager - MODMIN Page 1 of 2

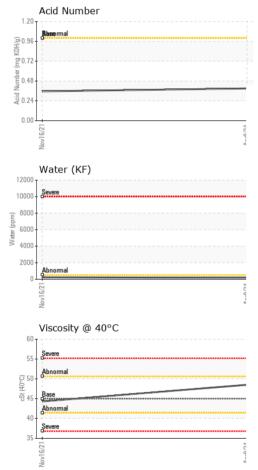


Built for a lifetime.









VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	LIGHT	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Ddor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPERTI	IES	method	limit/base	current	history1	history2
/isc @ 40°C	cSt	ASTM D445	45	48.5	44.3	
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
						e imago
Bottom						no image
						0
GRAPHS						
Ferrous Alloys				Particle Count		
iron			491,52	T		T ²⁶
chromium			122,88	0		-24
nickel			1			
			30,72			-22
			7,68	- `\		-20
Nov16/21			Apr9/24 . per 1 ml)		\	
Nov			de 1,92			-18
Non-ferrous Metals	5		42/6ude (July 1.92	0		-16
copper			Lo 12			-14
Reseases lead		No. of Concession, Name	quinu			[17
	Concession of the local division of the loca		3	D -		-12
				Berevenal		10
Nov16/21			Apr9/24	2-		
Nov			Ap	0 4μ 6μ	14µ 21µ	38µ 71µ
Viscosity @ 40°C				Acid Number	14μ 21μ	ουμ Πμ
Severe			(B) 1.2	Basermal		
Abnormal			ġ 0.9	6 - 4		
Base			<u></u> <u>5</u> 0.7	2		
Abnormal			(B) H02 (B) H02 (B) H03 (B) H0	4		
Severe			0.0 P 0.2			
Nov16/21			Apr9/24	Nov16/21		
Nov			Ap	Nov		
earCheck USA - 501	Madico		NC 27513		MODERNO TW	
earoneck ush - Jur	iviauisu	II AVE., Ualv	, NO 27515			
CPA016967	Recei		2 Apr 2024			I 2ND STRE



Unique Number Test Package : IND 2 (Additional Tests: KF, PrtCount) Certificate L2367 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)

Laboratory Sample No. Lab Number

Contact/Location: Service Manager - MODMIN

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F:

Contact: Service Manager