

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 8917544 (S/N 1768)

Component Compressor

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

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 no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in

Sample Number Client Info KCPA013741 Sample Date Client Info 17 Apr 2024 Machine Age hrs Client Info 2071 Oil Age hrs Client Info 2003 Oil Changed Client Info Changed Sample Status NORMAL WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >3 <1 Titanium ppm ASTM D5185m >2 <1 Silver ppm ASTM D5185m >10 3 Aluminum ppm ASTM D5185m >50 10 Copper	Sample Number				Apr2024		
Sample Number Client Info KCPA013741 Sample Date Client Info 17 Apr 2024 Machine Age hrs Client Info 2071 Oil Age hrs Client Info 2003 Oil Changed Client Info Changed Sample Status NORMAL WEAR METALS method limit/base current history1 history1 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >3 <1 Silver ppm ASTM D5185m >50	Sample Number						
Sample Date		IATION	method	limit/base	current	history1	history2
Sample Date			Client Info		KCPA013741		
Machine Age hrs Client Info 2071 Oil Age hrs Client Info 2003 Oil Changed Client Info Changed Sample Status NORMAL WEAR METALS method limit/base current history1 history1 WEAR METALS method limit/base current history1 history1 WEAR METALS method limit/base current history1 history2 WEAR METALS method limit/base current history1 history2 WEAR METALS method limit/base current history1 history2 WEAR METALS method limit/base current history2 WEAR METALS method silicon WEAR METALS method limit/base current history1 <t< th=""><th>Samole Dale</th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	Samole Dale						
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Tin ppm ASTM D5185m >10 <1	Lead	ppm	ASTM D5185m	>10	<1		
Vanadium ppm ASTM D5185m <1	Copper	ppm	ASTM D5185m	>50	10		
Cadmium ppm ASTM D5185m <1	Tin	ppm	ASTM D5185m	>10	<1		
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 90 0 Molybdenum ppm ASTM D5185m 0 <1 Manganese ppm ASTM D5185m 100 5 Magnesium ppm ASTM D5185m 0 0 Calcium ppm ASTM D5185m 0 0 Phosphorus ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 23500 18438 CONTAMINANTS method limit/base current history1 history2	Vanadium	ppm	ASTM D5185m		<1		
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Barium ppm ASTM D5185m 90 0 Molybdenum ppm ASTM D5185m 0 <1 Manganese ppm ASTM D5185m 100 5 Magnesium ppm ASTM D5185m 0 0 Calcium ppm ASTM D5185m 0 0 Phosphorus ppm ASTM D5185m 0 0 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 23500 18438 CONTAMINANTS method limit/base current history history	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 <1	Boron	ppm	ASTM D5185m	0	0		
Manganese ppm ASTM D5185m <1	Barium	ppm	ASTM D5185m	90	0		
Manganese ppm ASTM D5185m <1	Molybdenum	ppm	ASTM D5185m	0	<1		
Magnesium ppm ASTM D5185m 100 5 Calcium ppm ASTM D5185m 0 0 Phosphorus ppm ASTM D5185m 0 0 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 23500 18438 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185m >25 <1			ASTM D5185m		<1		
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Silicon ppm ASTM D5185m >25 <1							hiotory?
Sodium ppm ASIM D5185m 0				>25			
					-		
Potassium ppm ASTM D5185m >20 3							
Water % ASTM D6304 > 0.05 0.006		%		>0.05			
ppm Water	ppm Water	ppm	ASTM D6304	>500	70		
FLUID CLEANLINESS method limit/base current history1 history	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm ASTM D7647 1031			ASTM D7647				
Particles >6μm ASTM D7647 >1300 289	Particles >4µm		ASTM D7647	>1300	289		
Particles >14μm ASTM D7647 >80 24			ASTM D7647	>80	24		
Particles >21μm ASTM D7647 >20 7	Particles >6μm		ASTM D7647	>20	7		
Particles >38μm ASTM D7647 >4 0	Particles >6μm Particles >14μm		ACTM D7C47	>4	0		
Particles >71μm	Particles >6μm Particles >14μm Particles >21μm		ASTIVI D/04/				
Oil Cleanliness ISO 4406 (c) >/17/13 17/15/12	Particles >6μm Particles >14μm Particles >21μm Particles >38μm			>3	0		
FLUID DEGRADATION method limit/base current history1 history	Particles >6μm Particles >14μm Particles >21μm Particles >38μm Particles >71μm		ASTM D7647				
Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.40	Particles >6μm Particles >14μm Particles >21μm Particles >38μm Particles >71μm Oil Cleanliness	TION	ASTM D7647 ISO 4406 (c)	>/17/13	17/15/12		



OIL ANALYSIS REPORT







Certificate 12367

Report Id: EURSANCA [WUSCAR] 06156945 (Generated: 04/24/2024 18:02:00) Rev: 1

Laboratory Sample No.

Lab Number Unique Number: 10992368

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA013741 : 06156945

Received Tested Diagnosed

: 22 Apr 2024 : 24 Apr 2024 Test Package : IND 2 (Additional Tests: KF, PrtCount)

: 24 Apr 2024 - Angela Borella

2710 WALSH AVE SANTA CLARA, CA US 95051

Contact: CHRISTOPHER COOPER christophercooper@eurofinseng.com T:

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)

Contact/Location: CHRISTOPHER COOPER - EURSANCA

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