

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER BSD 60 8429104 (S/N 1217)

Compressor

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

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.

			Jun2023	Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015789	KCPA002088	
Sample Date		Client Info		14 Mar 2024	09 Jun 2023	
Machine Age	hrs	Client Info		5598	2873	
Oil Age	hrs	Client Info		2726	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	<1	2	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	11	13	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	100	0	0	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	0	0	
Zinc	ppm	ASTM D5185m	0	0	0	
Sulfur	ppm	ASTM D5185m	23500	20295	17496	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	
Sodium	ppm	ASTM D5185m		2	1	
Potassium	ppm	ASTM D5185m	>20	<1	0	
Water	%	ASTM D6304	>0.05	0.007	0.007	
ppm Water	ppm	ASTM D6304	>500	75	76	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			357	
Particles >6µm		ASTM D7647	>1300		78	
Particles >14µm		ASTM D7647	>80		5	
Particles >21µm		ASTM D7647	>20		1	
Particles >38μm		ASTM D7647	>4		0	
Particles >71µm		ASTM D7647	>3		0	
Oil Cleanliness		ISO 4406 (c)	>/17/13		16/13/10	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.45	0.42	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number : 06136910

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA015789

Unique Number : 10956375

Received : 02 Apr 2024 **Tested** Diagnosed

: 04 Apr 2024 : 04 Apr 2024 - Don Baldridge

BUZZI UNICEM 4601 NE 4TH ST OKLAHOMA CITY, OK US 73116 Contact: STEVEN ROBERTS

Test Package : IND 2 (Additional Tests: KF, PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369. steven.roberts@buzziunicemusa.com

* - 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)

Report Id: BUZOKL [WUSCAR] 06136910 (Generated: 04/05/2024 20:40:08) Rev: 1

Contact/Location: STEVEN ROBERTS - BUZOKL

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