

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER SM 10 5983236 (S/N 2032)

Compressor

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

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We were unable to perform a particle count due to a high concentration of particles present in this sample. We recommend an early resample in 500 hours to monitor this condition.

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil.

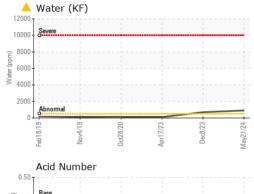
Fluid Condition

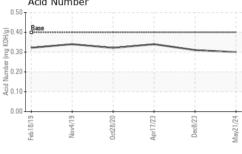
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

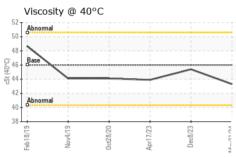
		Feb 2019	Nov2019 Oct2020	Apr2023 Dec2023	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018478	KCPA010756	KCP53086
Sample Date		Client Info		21 May 2024	08 Dec 2023	17 Apr 2023
Machine Age	hrs	Client Info		16928	16830	14074
Oil Age	hrs	Client Info		100	0	3000
Oil Changed		Client Info		Not Changd	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	0
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	15	21	23
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	<1	0	2
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		<1	8	<1
Zinc	ppm	ASTM D5185m		4	0	0
Sulfur	ppm	ASTM D5185m		14092	15178	14759
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		0	1	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.05	<u> </u>	△ 0.070	0.010
ppm Water	ppm	ASTM D6304	>500	<u> </u>	<u>^</u> 702	103.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647				
Particles >6µm		ASTM D7647	>1300			
Particles >14μm		ASTM D7647	>80			
Particles >21µm		ASTM D7647	>20			
Particles >38μm		ASTM D7647	>4			
Particles >71μm		ASTM D7647	>3			
Oil Cleanliness		ISO 4406 (c)	>/17/13			

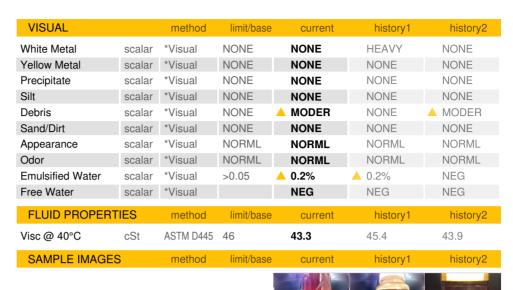


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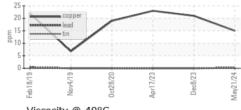


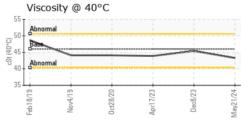
GRAPHS

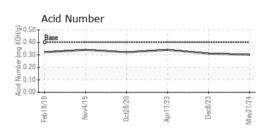
Color

Bottom

Ferrous Alloys Non-ferrous Metals











Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA018478 Lab Number : 06201530

Unique Number : 11063653

Received **Tested** Diagnosed

: 06 Jun 2024 : 10 Jun 2024 : 10 Jun 2024 - Don Baldridge

9804 BLUEGRASS PKWY LOUISVILLE, KY US 40299

Contact: B. HOPPER bhopper@bachmanautogroup.com

BACHMAN COLLISION CENTER

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

* - 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: BACLOU [WUSCAR] 06201530 (Generated: 06/10/2024 09:38:43) Rev: 1

Contact/Location: B. HOPPER - BACLOU

T:

F: