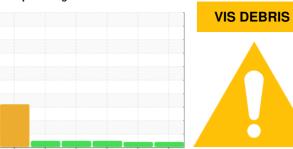


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER BSD50 6431347 (S/N 1902)

Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. 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

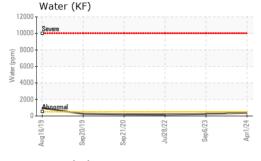
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

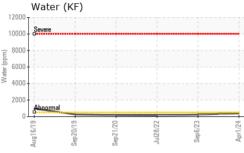
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016888	KCPA005628	KCP51640
Sample Date		Client Info		01 Apr 2024	06 Sep 2023	28 Jul 2022
Machine Age	hrs	Client Info		12299	11033	9223
Oil Age	hrs	Client Info		6742	0	3100
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	2	3	6
Tin	ppm	ASTM D5185m	>10	<1	0	<1
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	<1
Barium	ppm	ASTM D5185m	90	8	0	4
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	57	53	35
Calcium	ppm	ASTM D5185m	2	<1	<1	0
Phosphorus	ppm	ASTM D5185m		0	0	<1
Zinc	ppm	ASTM D5185m		6	24	29
Sulfur	ppm	ASTM D5185m		20339	19330	16841
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	2	2
Sodium	ppm	ASTM D5185m		16	18	21
Potassium	ppm	ASTM D5185m	>20	<1	5	2
Water	%	ASTM D6304	>0.05	0.037	0.023	0.016
ppm Water	ppm	ASTM D6304	>500	375	232.4	162.1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647				5624
D :: 1 0		ASTM D7647	>1300			1176
Particles >6µm		ASTM D7647	>80			66
Particles >6µm Particles >14µm		/ TO THE DIOTE				
•		ASTM D7647	>20			16
Particles >14µm			>20 >4			16 1
Particles >14µm Particles >21µm		ASTM D7647				
Particles >14µm Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647	>4			1

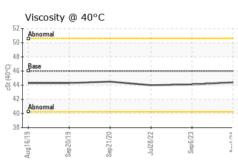
0.39

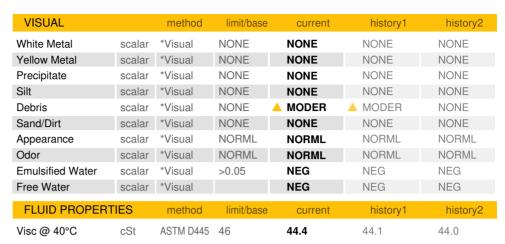


OIL ANALYSIS REPORT









SAMPLE IMAGES

method

limit/base

current

history1

history2

Color

Bottom

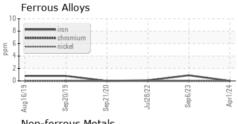


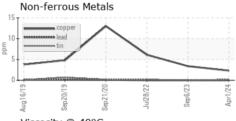


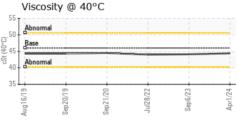


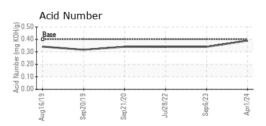


GRAPHS













Certificate 12367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No.

: KCPA016888 Lab Number : 06144277 Unique Number : 10969085

Received Tested Diagnosed

: 11 Apr 2024

: 10 Apr 2024

: 11 Apr 2024 - Doug Bogart

CARROLLTON, TX US 75006

SWISS AMERICAN 2055 LUNA RD #126

Contact:

T:

F:

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)

Report Id: SWICARKC [WUSCAR] 06144277 (Generated: 04/12/2024 06:19:36) Rev: 1

Contact/Location: ? ? - SWICARKC