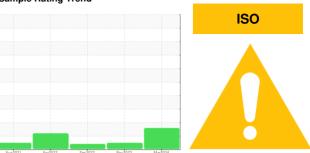


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER SFC 45ST 7821354 (S/N 1554)

Component Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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 high amount of particulates present in the oil.

Fluid Condition

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

		Aug2021	Apr2022	Sep 2022 Nov 2022	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016929	KCP45793	KCP48109D
Sample Date		Client Info		22 Mar 2024	21 Nov 2022	08 Sep 2022
Machine Age	hrs	Client Info		23824	13581	12558
Oil Age	hrs	Client Info		2877	1000	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	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	<1	<1
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	2	3	3
Tin	ppm	ASTM D5185m	>10	1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	37	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	90	71	31	40
Calcium	ppm	ASTM D5185m	2	5	0	<1
Phosphorus	ppm	ASTM D5185m		0	10	3
Zinc	ppm	ASTM D5185m		10	37	13
Sulfur	ppm	ASTM D5185m		23075	24734	23071
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	<1
Sodium	ppm	ASTM D5185m		20	19	20
Potassium	ppm	ASTM D5185m	>20	7	4	5
Water	%	ASTM D6304	>0.05	0.025	0.015	0.016
ppm Water	ppm	ASTM D6304	>500	255	151.7	162.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		19580	1580	
Particles >6µm		ASTM D7647	>1300	3208	448	
Particles >14μm		ASTM D7647	>80	^ 263	28	
Particles >21µm		ASTM D7647	>20	<u> </u>	7	
Particles >38μm		ASTM D7647	>4	1	0	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 21/19/15	18/16/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A : I A		4 OTM D00 45	0.4	0.51	0.44	0.00

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

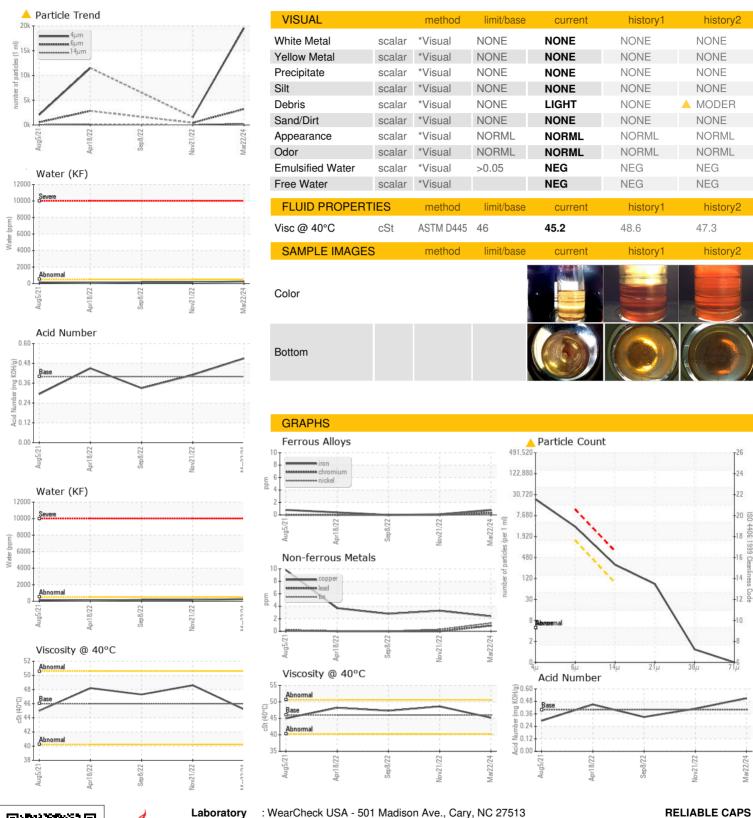
0.41

0.51

0.33



OIL ANALYSIS REPORT







Sample No. Lab Number

Unique Number: 10955147

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA016929 Received : 01 Apr 2024 **Tested** : 06135682

: 03 Apr 2024 Diagnosed

: 04 Apr 2024 - Don Baldridge

1001 W OLD HWY 56 OLATHE, KS US 66061 Contact: M. COTTMAN

Test Package : IND 2 (Additional Tests: KF, PrtCount) Certificate 12367 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)

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