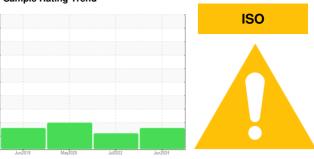


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER ASD 40 4411761 (S/N 1131)

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.

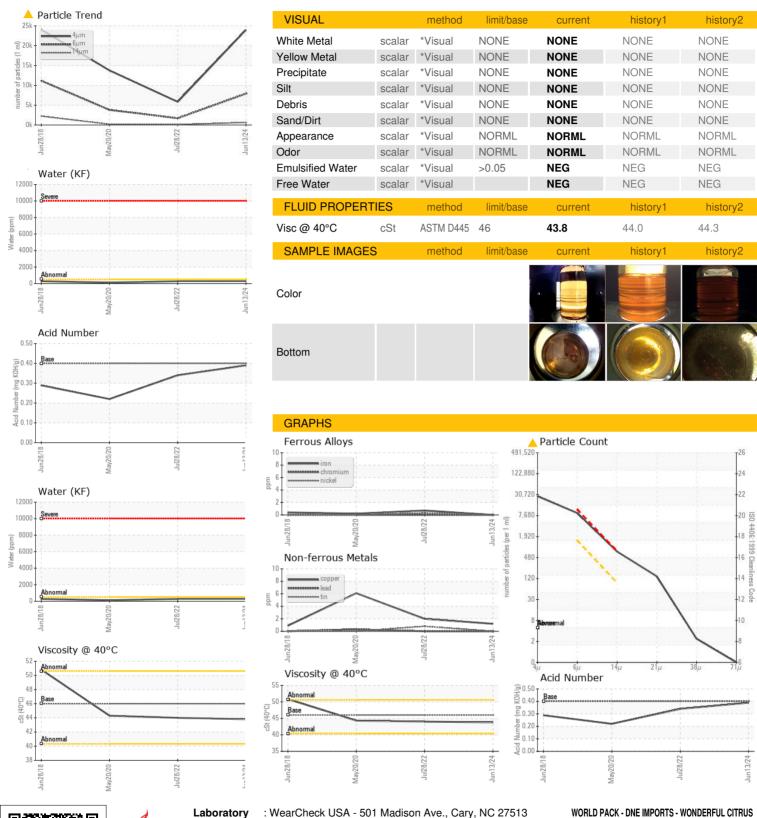
Fluid Condition

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

		Jun201	8 May2020	Jul2022 Jul	n2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018775	KCP41811	KCP25683
Sample Date		Client Info		13 Jun 2024	28 Jul 2022	20 May 2020
Machine Age	hrs	Client Info		35277	30649	24007
Oil Age	hrs	Client Info		0	0	5200
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
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	<1	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	<1	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	1	2	6
Tin	ppm	ASTM D5185m	>10	0	<1	0
Antimony	ppm	ASTM D5185m				7
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m	90	11	0	0
Molybdenum	ppm	ASTM D5185m		0	0	2
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	90	73	56	16
Calcium	ppm	ASTM D5185m	2	0	0	<1
Phosphorus	ppm	ASTM D5185m		3	0	2
Zinc	ppm	ASTM D5185m		7	12	31
Sulfur	ppm	ASTM D5185m		21648	18993	17932
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		19	36	35
Potassium	ppm	ASTM D5185m	>20	4	4	12
Water	%	ASTM D6304	>0.05	0.028	0.028	0.012
ppm Water	ppm	ASTM D6304	>500	283	280.8	125.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		23984	5833	13757
Particles >6µm		ASTM D7647	>1300	^ 7903	1699	▲ 3807
Particles >14μm		ASTM D7647	>80	△ 626	111	▲ 178
Particles >21µm		ASTM D7647	>20	<u> </u>	19	▲ 40
Particles >38μm		ASTM D7647	>4	2	0	<u> </u>
Particles >71µm		ASTM D7647	>3	0	0	<u>^</u> 7
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>22/20/16</u>	20/18/14	<u> </u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06220373

: KCPA018775 Unique Number : 11098570

Received **Tested** Diagnosed

: 25 Jun 2024 : 26 Jun 2024

: 27 Jun 2024 - Don Baldridge

890 CHARLES ST GLOUCESTER, NJ US 08030 Contact: ANNE CURTIN

anne.curtin@wonderful.com

Test Package : IND 2 (Additional Tests: KF, PrtCount) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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) T:

F: