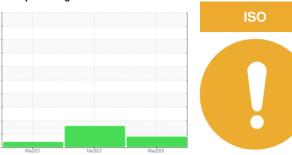


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 7070858

Component Compressor

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

Recommendation

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 moderate amount of particulates present in the oil.

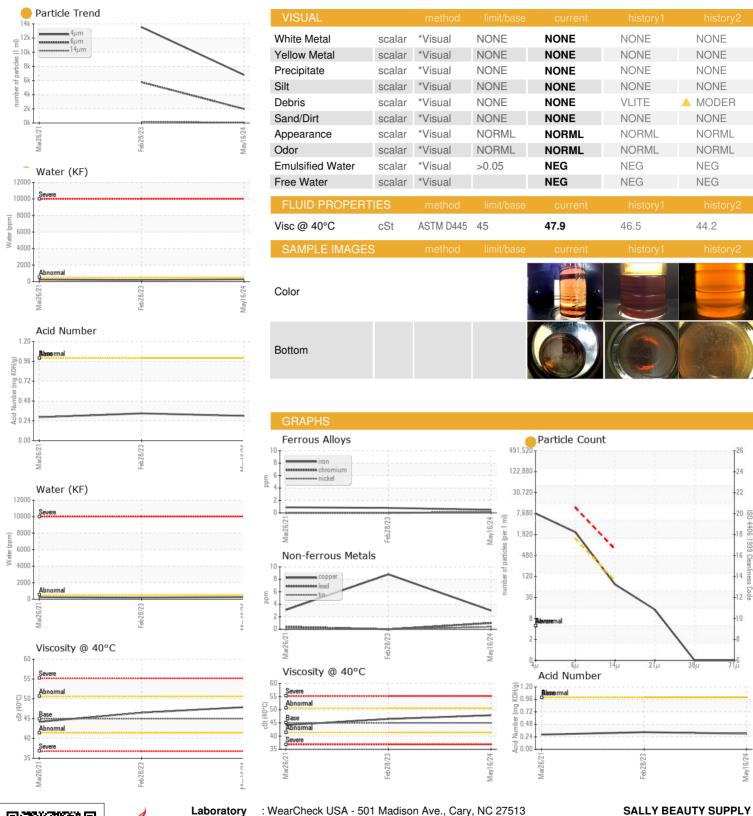
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018040	KCP46373	KCP30808
Sample Date		Client Info		16 May 2024	28 Feb 2023	26 Mar 2021
Machine Age	hrs	Client Info		10373	7939	2109
Oil Age	hrs	Client Info		4167	5830	2109
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>10	1	0	<1
Copper	ppm	ASTM D5185m	>50	3	9	3
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				<1
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	10
Barium	ppm	ASTM D5185m	90	20	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	100	35	46	48
Calcium	ppm	ASTM D5185m	0	3	0	2
Phosphorus	ppm	ASTM D5185m	0	15	<1	6
Zinc	ppm	ASTM D5185m	0	5	11	2
Sulfur	ppm	ASTM D5185m	23500	14948	20412	13947
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	<1	0
Sodium	ppm	ASTM D5185m		11	11	18
Potassium	ppm	ASTM D5185m	>20	2	3	8
Water	%	ASTM D6304	>0.05	0.026	0.019	0.024
ppm Water	ppm	ASTM D6304	>500	268	195.6	246.0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		6793	13547	
Particles >6µm		ASTM D7647	>1300	<u> </u>	△ 5763	
Particles >14µm		ASTM D7647	>80	63	<u>^</u> 201	
Particles >21µm		ASTM D7647	>20	12	<u>^</u> 24	
Particles >38µm		ASTM D7647	>4	0	1	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/18/13	<u>\$\text{\Delta}\$ 21/20/15</u>	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Laboratory

Sample No. Lab Number

: 06195425 Unique Number : 11057548

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA018040 Received **Tested**

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

: 30 May 2024 : 31 May 2024

: 31 May 2024 - Angela Borella

US 76247 Contact: Service Manager

15453 WOLF CROSSING

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)

Contact/Location: Service Manager - SALJUS

T:

F:

JUSTIN, TX