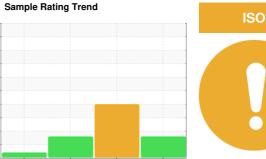


OIL ANALYSIS REPORT



Machine Id KAESER AS 20 5036187 (S/N 1016)

Compressor

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

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.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

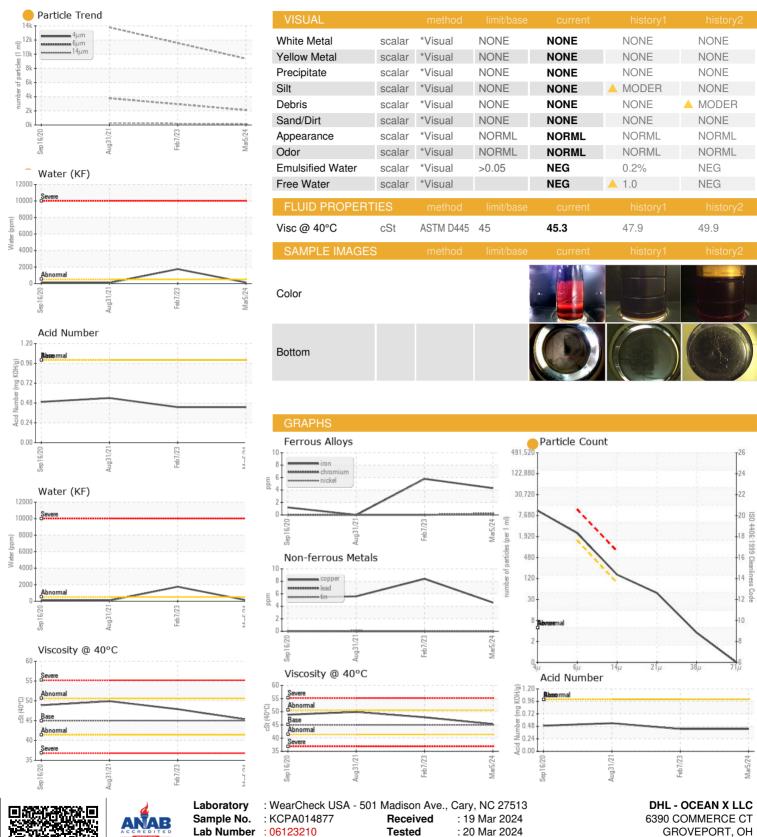
Fluid Condition

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

		Sep 202	0 Aug2021	Feb 2023 Mi	w2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA014877	KCP55150	KCP11909
Sample Date		Client Info		05 Mar 2024	07 Feb 2023	31 Aug 2021
Machine Age	hrs	Client Info		37732	34514	29738
Oil Age	hrs	Client Info		2218	8903	7617
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	6	0
Chromium	ppm	ASTM D5185m	>10	<1	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	<1	2	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	5	8	6
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m				11
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	13
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	3	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	100	32	2	<1
Calcium	ppm	ASTM D5185m	0	<1	<1	0
Phosphorus	ppm	ASTM D5185m	0	<1	3	<1
Zinc	ppm	ASTM D5185m	0	103	14	0
Sulfur	ppm	ASTM D5185m	23500	21399	21600	16128
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	1	<1
Sodium	ppm	ASTM D5185m		17	<1	1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.013	△ 0.176	0.007
ppm Water	ppm	ASTM D6304	>500	131	<u>1760</u>	78.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		9364		13795
Particles >6µm		ASTM D7647	>1300	<u>2106</u>		▲ 3773
Particles >14μm		ASTM D7647	>80	<u> </u>		<u>^</u> 273
Particles >21µm		ASTM D7647	>20	41		△ 69
Particles >38μm		ASTM D7647	>4	3		4
Particles >71μm		ASTM D7647		0		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/18/14		▲ 19/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT





Lab Number

Tested

Unique Number: 10937361 Diagnosed 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)

GROVEPORT, OH US 43125

Contact: Service Manager

T:

: 21 Mar 2024 - Don Baldridge