

OIL ANALYSIS REPORT

Sample Rating Trend



KAESER 4163626 (S/N 1004)

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.

Wear

All component wear rates are normal.

Contamination

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

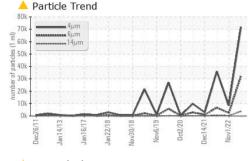
Fluid Condition

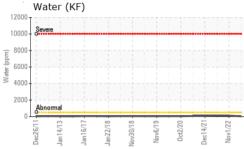
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

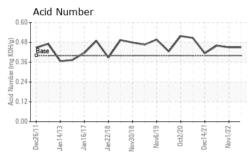
Jac2011 Jan2013 Jan2017 Jan2018 Nov2018 Nov2019 Oc2020 Oc2021 Nov2022									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		KCPA013805	KCP40316D	KCP49628			
Sample Date		Client Info		15 Mar 2024	01 Nov 2022	21 Jun 2022			
Machine Age	hrs	Client Info		105549	94295	91222			
Oil Age	hrs	Client Info		4548	3000	7998			
Oil Changed		Client Info		Not Changd	Not Changd	Changed			
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>50	0	0	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	0	4			
Lead	ppm	ASTM D5185m	>10	0	0	0			
Copper	ppm	ASTM D5185m	>50	8	6	7			
Tin	ppm	ASTM D5185m	>10	0	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	0	0	0			
Molybdenum	ppm	ASTM D5185m		0	0	0			
Manganese	ppm	ASTM D5185m		0	0	<1			
Magnesium	ppm	ASTM D5185m	90	<1	10	9			
Calcium	ppm	ASTM D5185m	2	0	0	4			
Phosphorus	ppm	ASTM D5185m		0	3	5			
Zinc	ppm	ASTM D5185m		0	2	24			
Sulfur	ppm	ASTM D5185m		19833	21217	19361			
CONTAMINANTS		method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	0	<1	<1			
Sodium	ppm	ASTM D5185m		1	<1	3			
Potassium	ppm	ASTM D5185m	>20	0	0	1			
Water	%	ASTM D6304	>0.05	0.003	0.012	0.012			
ppm Water	ppm	ASTM D6304	>500	39	123.0	120.0			
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2			
Particles >4μm		ASTM D7647		71601	8560	36013			
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u>4</u> 2466	△ 6686			
Particles >14μm		ASTM D7647	>80	<u>▲</u> 3703	<u>^</u> 212	▲ 324			
Particles >21µm		ASTM D7647	>20	<u> </u>	<u>45</u>	▲ 80			
Particles >38μm		ASTM D7647	>4	<u> </u>	4	3			
Particles >71μm		ASTM D7647	>3	2	1	0			
Oil Cleanliness		ISO 4406 (c)	. /17/10	A 00/00/40	A 20/10/15	A 00/00/46			
Oil Clearniness		150 4406 (C)	>/17/13	<u>23/22/19</u>	<u>20/18/15</u>	<u>22/20/16</u>			

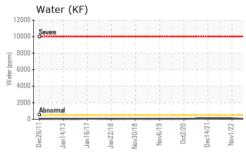


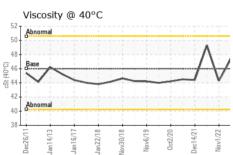
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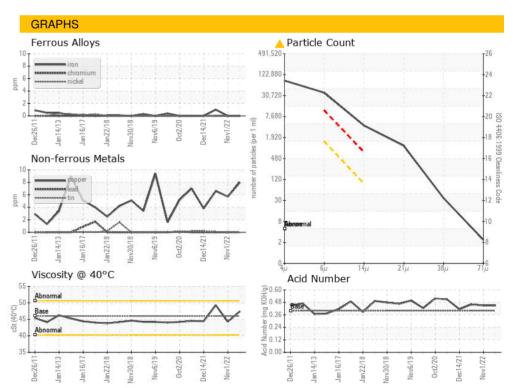




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	47.4	44.3	49.3
SAMPLE IMAGES	}	method	limit/base	current	history1	history2
Color						

Bottom







Laboratory Sample No. Unique Number : 10939820

Lab Number : 06125669

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA013805

Received **Tested**

: 21 Mar 2024 : 25 Mar 2024

: 25 Mar 2024 - Don Baldridge Diagnosed

TURN KEY TOOL & DIE INC 8 PROGRESS PKWY

UNION, MO US 63084

Contact: SERVICE MANAGER

Test Package: IND 2 (Additional Tests: KF, PrtCount) Certificate L2367 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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