

OIL ANALYSIS REPORT

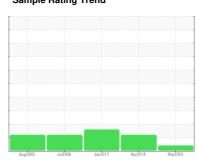
Sample Rating Trend

VIS DEBRIS

KAESER BSD 40 1827347 (S/N 1031)

Compressor

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





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. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

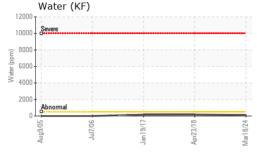
Fluid Condition

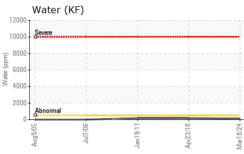
Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is suitable for further

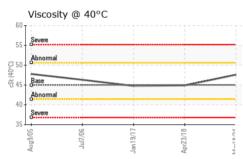
		Aug2005	Jul2006	Jan 2017 Apr 2018	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013936	KCP08025	KCP61253
Sample Date		Client Info		18 Mar 2024	23 Apr 2018	19 Jan 2017
Machine Age	hrs	Client Info		120039	41573	85635
Oil Age	hrs	Client Info		0	0	4544
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	15	<1	1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	<1
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	6	0	<1
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>50	2	3	5
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m			0	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	0
Barium	ppm	ASTM D5185m	90	0	7	<1
Molybdenum	ppm	ASTM D5185m	0	<1	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	100	1	73	65
Calcium	ppm	ASTM D5185m	0	3	<1	<1
Phosphorus	ppm	ASTM D5185m	0	342	0	0
Zinc	ppm	ASTM D5185m	0	165	4	10
Sulfur	ppm	ASTM D5185m	23500	2260	14054	18298
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	2
Sodium	ppm	ASTM D5185m		0	35	32
Potassium	ppm	ASTM D5185m	>20	1	5	3
Water	%	ASTM D6304	>0.05	0.012	0.018	0.017
ppm Water	ppm	ASTM D6304	>500	124	180	170
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			39224	1076
Particles >6µm		ASTM D7647	>1300		<u>11433</u>	586
Particles >14μm		ASTM D7647	>80		△ 598	99
Particles >21μm		ASTM D7647	>20		<u></u> 100	33
Particles >38µm		ASTM D7647	>4		3	5
Particles >71µm		ASTM D7647	>3		0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13		<u></u> 21/16	1 6/14
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	та КОЦ/а	ACTM DODAE	1.0	1.00	0 220	0.200



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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	▲ MODER	VLITE	VLITE
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	TES	method	limit/base	current	history1	history2

SAMPLE IMAGES	method	limit/base	current	history1	history2

47.6

ASTM D445 45

Color

Visc @ 40°C



cSt

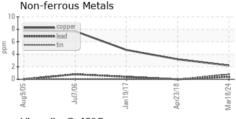


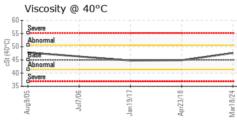
44.9

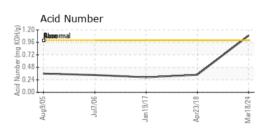
44.77

GRAPHS

Ferrous Alloys











Laboratory Sample No. Unique Number: 10950885

: KCPA013936 Lab Number : 06131420

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

: 01 Apr 2024 Diagnosed

: 01 Apr 2024 - Don Baldridge

: 27 Mar 2024

CVS WAREHOUSE 501 LANSDOWNE RD. FREDERICKSBURG, VA US 22408

Contact: SERVICE MANAGER

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)

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F: