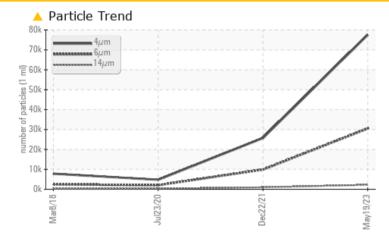


PROBLEM SUMMARY

KAESER BSD 50 4671503 (S/N 1006)

Compressor Fluid A467 (--- QTS)

COMPONENT CONDITION SUMMARY



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.

Sample Rating Trend ISO

PROBLEMATIC T	EST RESULTS				
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >6µm	ASTM D7647	>1300	<u> </u>	4 9889	2054
Particles >14µm	ASTM D7647	>80	🔺 2243	4 972	A 307
Particles >21µm	ASTM D7647	>20	<u> </u>	1 46	A 84
Particles >38µm	ASTM D7647	>4	<u> </u>	4	2
Oil Cleanliness	ISO 4406 (c)	>/17/13	<u> </u>	<u> </u>	<u> </u>

Customer Id: PENTRO Sample No.: KCPA002755 Lab Number: 05933670 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

22 Dec 2021 Diag: Don Baldridge

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.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



23 Jul 2020 Diag: Angela Borella

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



08 Mar 2018 Diag: Angela Borella



The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

KAESER BSD 50 4671503 (S/N 1006)

Compressor Fluid A467 (--- QTS)

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

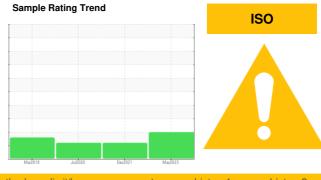
All component wear rates are normal.

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.



Sample Number Client Info KCP A00275 S2 Dec 201 2 Jul 2020 Machine Age hrs Client Info 0 6600 10000 Oil Age hrs Client Info 0 6600 10000 Oil Age Tro Client Info N ABNORMA	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 49158 39503 28422 Oil Age hrs Client Info 0 6600 10000 Oil Changed Client Info N/A Changed Changed Changed Sample Status Client Info N/A ABNORMAL	Sample Number		Client Info		KCPA002755	KCP39695	KCP26262
Machine AgehrsClient Info491583950328422Oil AgehrsClient InfoN/AChangedChangedSample StatusaaImit/basABNORMAABNORMAABNORMAWEAR METALSmethodImit/bascurrenthistory1history2IronppmASTM D518m>50<1<11ChromiumppmASTM D518m>53000NickelppmASTM D518m>33000TitaniumppmASTM D518m>33000SilverppmASTM D518m>30000LeadppmASTM D518m>10000CopperppmASTM D518m>10000AntimonyppmASTM D518m>10000VanadiumppmASTM D518m50000AdminyppmASTM D518m0000AdminyppmASTM D518m0000AdminyppmASTM D518m0000AdminyppmASTM D518m0000AdminyppmASTM D518m0000AdminyppmASTM D518m0000AdminyppmASTM D518m<1000AdminyppmASTM D518m<1 <t< th=""><td>Sample Date</td><td></td><td>Client Info</td><td></td><th>19 May 2023</th><td>22 Dec 2021</td><td>23 Jul 2020</td></t<>	Sample Date		Client Info		19 May 2023	22 Dec 2021	23 Jul 2020
Oil Changed Sample StatusClient InfoN/AChanged ABNORMALChanged ABNORMALChanged ABNORMALChanged ABNORMALABNORMA		hrs	Client Info		-	39503	28422
Sample Status method Imit/base current history1 history2 Iron ppm ASTM D5185m >50 <1 <1 1 Chromium ppm ASTM D5185m >50 <1 <1 1 Chromium ppm ASTM D5185m >30 0 0 0 Nickel ppm ASTM D5185m >20 0 0 0 Silver ppm ASTM D5185m >10 <1 <1 0 Lead ppm ASTM D5185m >10 0 0 0 0 Copper ppm ASTM D5185m >50 0 4 9 Tin ppm ASTM D5185m 50 0 0 0 0 Cadmium ppm ASTM D5185m 50 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 Baron ppm ASTM D5185m </th <td>Oil Age</td> <td>hrs</td> <td>Client Info</td> <td></td> <th>0</th> <td>6600</td> <td>10000</td>	Oil Age	hrs	Client Info		0	6600	10000
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 <1 <1 1 Chromium ppm ASTM D5185m >30 0 0 0 Nickel ppm ASTM D5185m >33 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >10 <1 <1 0 Lead ppm ASTM D5185m >10 0 0 0 Antimony ppm ASTM D5185m >10 0 0 0 Antimony ppm ASTM D5185m 0 0 0 0 Antimony ppm ASTM D5185m 0 0 0 0 Antimony ppm ASTM D5185m 0 0 0 0 Boron pm ASTM D5185m <1 0 0	Oil Changed		Client Info		N/A	Changed	Changed
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Aluminum ppm ASTM D5185m >10 <1	Silver		ASTM D5185m	>2	0	0	0
Copper ppm ASTM D5185m >50 0 4 9 Tin ppm ASTM D5185m >10 0 0 0 Antimony ppm ASTM D5185m 0 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 41 0 0 0 Sulfur ppm ASTM D5185m 21 89 22 0 0 Sulfur ppm ASTM D5185m 21 89 22 2 0 0 18564 Sulfur ppm ASTM D5185m	Aluminum		ASTM D5185m	>10	<1	<1	0
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Calcium ppm ASTM D5185m 2 0 0 Phosphorus ppm ASTM D5185m 373 289 1 Zinc ppm ASTM D5185m 21 89 22 Sulfur ppm ASTM D5185m 476 1691 18564 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 0 <1 2 Sodium ppm ASTM D5185m >20 0 0 0 Potassium ppm ASTM D5185m >20 0 0 0 0 Water % ASTM D6304 >0.05 0.009 0.002 0.009 ppm Water ppm ASTM D6304 >500 90.1 24.4 94.5 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >1300 30540 9889 2054	0				-		
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Particles >71μm ASTM D7647 >3 1 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 23/22/18 ▲ 20/17 ▲ 18/15							
Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 23/22/18 ▲ 20/17 ▲ 18/15	•						
FLUID DEGRADATION method limit/base current history1 history2	Oil Cleanliness		ISO 4406 (c)	>/17/13	A 23/22/18	▲ 20/17	▲ 18/15

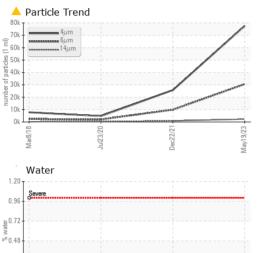
Acid Number (AN) mg KOH/g

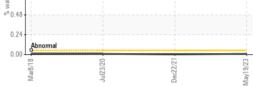
mg KOH/g ASTM D8045

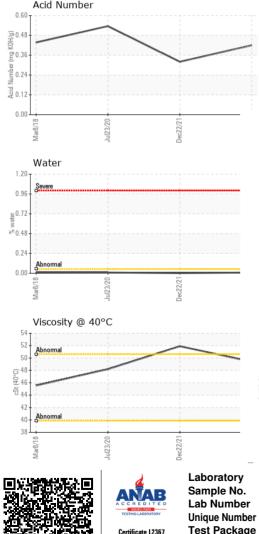
0.42 0.32 0.536 Contact/Location: Service Manager - PENTRO



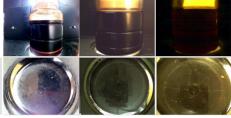
OIL ANALYSIS REPORT



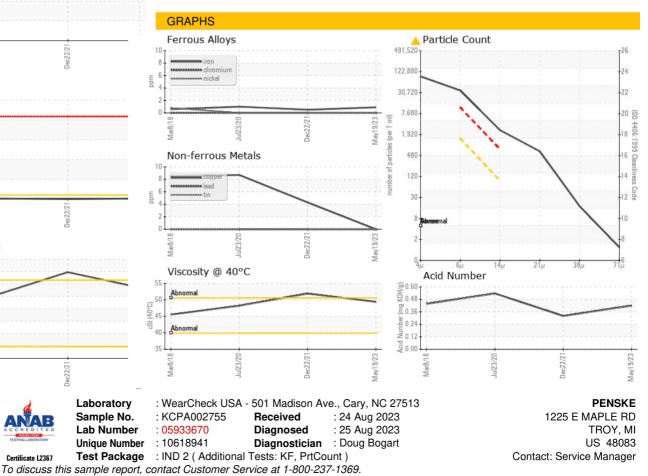




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	*Visual	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		49.4	51.9	48.2
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						



Bottom



* - 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 - PENTRO