

PROBLEM SUMMARY

Sample Rating Trend

DEGRADATION



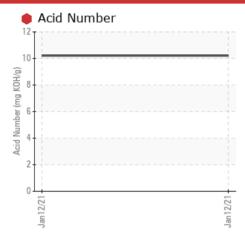
KAESER 4516 SOUTH

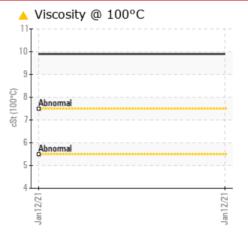
Component

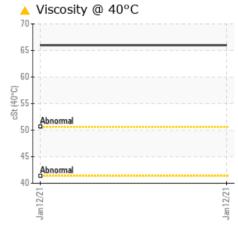
Air Compressor

BEACON SIGNAL TEC AIR 46 H1 (--- GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We advise that you check for a possible overheat condition. Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition. Please note that this is a corrected copy for laboratory data and diagnostic comment updates.

PROBLEMATIC TEST RESULTS									
Sample Status			SEVERE						
Acid Number (AN)	mg KOH/g	ASTM D8045	1 0.22						
Visc @ 40°C	cSt	ASTM D445	△ 66.0						
Visc @ 100°C	cSt	ASTM D445	<u> </u>						

Customer Id: BEADEI Sample No.: WCI2277568 Lab Number: 05161896 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							
Action	Status	Date	Done By	Description			
Change Fluid	MISSED	Feb 22 2021	?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.			
Flush System	MISSED	Feb 22 2021	?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.			
Resample	MISSED	Feb 22 2021	?	We recommend an early resample to monitor this condition.			
Check For Overheating	MISSED	Feb 22 2021	?	We advise that you check for a possible overheat condition.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 4516 SOUTH

Component

Air Compressor

BEACON SIGNAL TEC AIR 46 H1 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for a possible overheat condition. Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition. Please note that this is a corrected copy for laboratory data and diagnostic comment updates.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

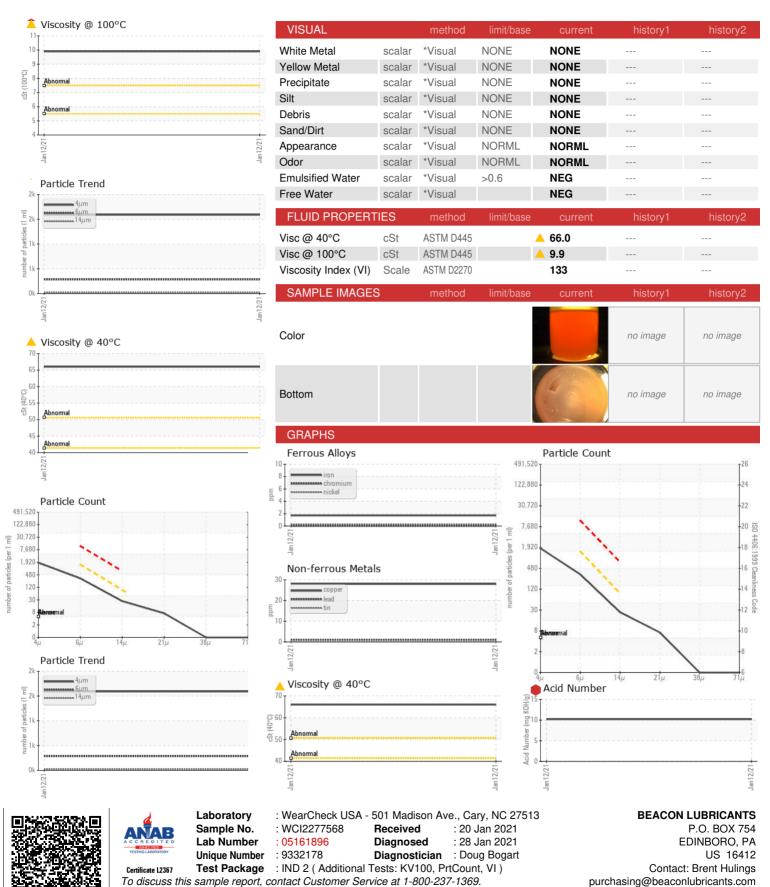
The AN level is above the recommended limit. The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The oil is no longer serviceable.

				Jan 2021		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCI2277568		
Sample Date		Client Info		12 Jan 2021		
Machine Age	hrs	Client Info		66382		
Oil Age	hrs	Client Info		575		
Oil Changed		Client Info		Not Changd		
Sample Status				SEVERE		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2		
Chromium	ppm	ASTM D5185m	>4	0		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	<1		
Lead	ppm	ASTM D5185m	>20	1		
Copper	ppm	ASTM D5185m	>40	28		
Tin	ppm	ASTM D5185m	>5	0		
Antimony	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1		
Barium	ppm	ASTM D5185m		3		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		<1		
Phosphorus	ppm	ASTM D5185m		60		
Zinc	ppm	ASTM D5185m		101		
Sulfur	ppm	ASTM D5185m		126		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1590		
Particles >6µm		ASTM D7647	>1300	283		
Particles >14μm		ASTM D7647	>80	23		
Particles >21µm		ASTM D7647	>20	6		
Particles >38µm		ASTM D7647	>4	0		
Particles >71μm		ASTM D7647	>3	0		
			>3 >/17/13			
Particles >71µm	ATION	ASTM D7647		0		

Contact/Location: Brent Hulings - BEADEI



OIL ANALYSIS REPORT



* - 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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