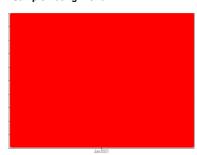


PROBLEM SUMMARY

Sample Rating Trend



WEAR



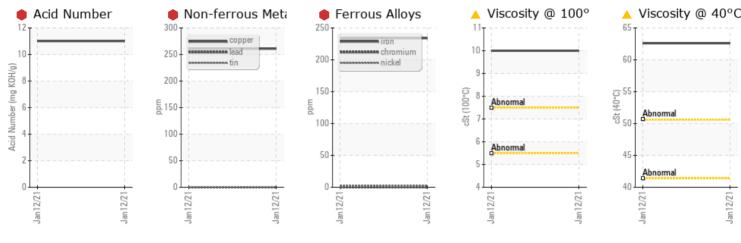
KAESER 2350 NORTH

Component

Air Compressor

BEACON SIGNAL TEC AIR 46 H1 (5 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 advise that you inspect for the source(s) of wear. 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		.002.0		SEVERE			
Iron	ppm	ASTM D5185m	>50	234			
Copper	ppm	ASTM D5185m	>40	261			
Particles >6µm		ASTM D7647	>1300	1451			
Particles >14µm		ASTM D7647	>80	122			
Particles >21µm		ASTM D7647	>20	4 29			
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/18/14			
Acid Number (AN)	mg KOH/g	ASTM D8045		11.01			
Visc @ 40°C	cSt	ASTM D445		62.6			
Visc @ 100°C	cSt	ASTM D445		10.0			

Customer Id: BEADEI Sample No.: WCI2277566 Lab Number: 05161895 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

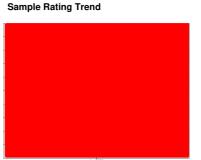
To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Inspect Wear Source	MISSED	Feb 22 2021	?	We advise that you inspect for the source(s) of wear.		
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.		
Change Filter	MISSED	Feb 22 2021	?	We recommend that you drain the oil and perform a filter service on this component if not already done.		
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





KAESER 2350 NORTH

Air Compressor

BEACON SIGNAL TEC AIR 46 H1 (5 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 advise that you inspect for the source(s) of wear. 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

The iron level is severe. The copper level is severe.

Contamination

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

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 INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WCI2277566			
Sample Date		Client Info		12 Jan 2021			
Machine Age	hrs	Client Info		24819			
Oil Age	hrs	Client Info		2337			
Oil Changed		Client Info		Not Changd			
Sample Status				SEVERE			
WEAR METALS		method	limit/base	current	history1	history2	
ron	ppm	ASTM D5185m	>50	234			
Chromium	ppm	ASTM D5185m	>4	0			
Nickel	ppm	ASTM D5185m	>4	2			
Fitanium	ppm	ASTM D5185m		0			
Silver	ppm	ASTM D5185m		0			
Aluminum	ppm		>10	<1			
_ead	ppm	ASTM D5185m	>20	0			
Copper	ppm	ASTM D5185m	>40	261			
Copper Fin		ASTM D5185m	>40 >5	0			
	ppm		<i>></i> 0	0			
Antimony	ppm	ASTM D5185m ASTM D5185m					
Vanadium	ppm			0			
Cadmium	ppm	ASTM D5185m		U			
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		3			
Barium	ppm	ASTM D5185m		<1			
Molybdenum	ppm	ASTM D5185m		0			
Manganese	ppm	ASTM D5185m		<1			
Magnesium	ppm	ASTM D5185m		1			
Calcium	ppm	ASTM D5185m		<1			
Phosphorus	ppm	ASTM D5185m		114			
Zinc	ppm	ASTM D5185m		559			
Sulfur	ppm	ASTM D5185m		152			
CONTAMINANTS	3	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	<1			
Sodium	ppm	ASTM D5185m		5			
Potassium	ppm	ASTM D5185m	>20	6			
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647		5940			
Particles >6µm		ASTM D7647	>1300	<u> </u>			
Particles >14µm		ASTM D7647	>80	<u> </u>			
Particles >21µm		ASTM D7647	>20	^ 29			
Particles >38µm		ASTM D7647	>4	0			
Particles >71µm		ASTM D7647	>3	0			
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/18/14			
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2	
A sid News Lare (AAA)		ACTM DODAE		- Janon		Photory 2	

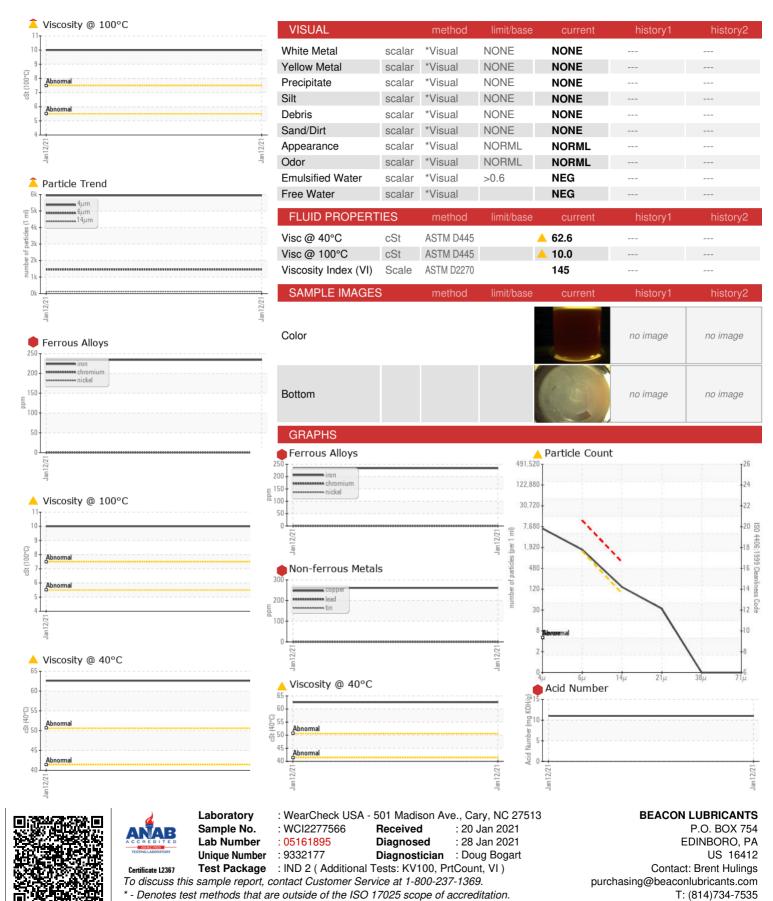
Acid Number (AN)

mg KOH/g ASTM D8045

11.01



OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (814)734-7535

F: (814)734-3460