

PROBLEM SUMMARY

Sample Rating Trend

ISO

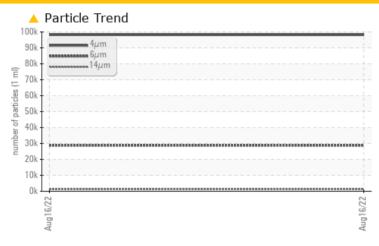
KAESER 1064929

Component

Compressor

NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS					
Sample Status			ABNORMAL		
Particles >6µm	ASTM D7647	>1300	28803		
Particles >14µm	ASTM D7647	>80	1287		
Particles >21µm	ASTM D7647	>20	236		
Particles >38µm	ASTM D7647	>4	16		
Oil Cleanliness	ISO 4406 (c)	>/17/13	<u>4</u> 24/22/17		

Customer Id: EXCWIN Sample No.: KCP49386 Lab Number: 05623848 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

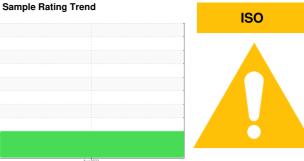
To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS				
Action	Status	Date	Done By	Description
Change Fluid			?	Oil and filter change at the time of sampling has been noted.
Change Filter			?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT



KAESER 1064929

Component

Compressor

NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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.

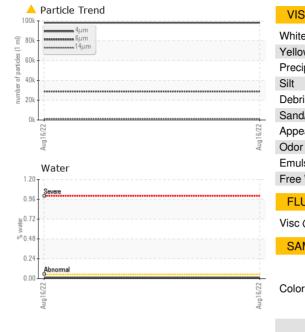
Fluid Condition

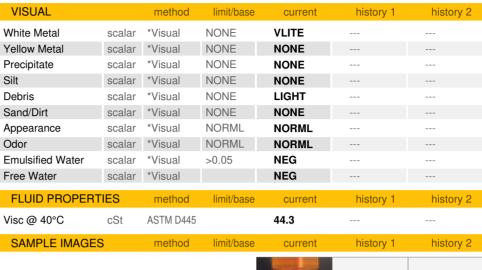
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION method limit/bass current history 1 history 2					Aug2022		
Sample Number KCP49386 Sample Date 16 Aug 2022 Machine Age hrs 45582 Oil Age hrs 0 Oil Changed Changed Sample Status method limit/base current history 1 history 2 Iron ppm ASTM D5165m >50 0 Nickel ppm ASTM D5165m >10 0 Nickel ppm ASTM D5165m >3 0 Silver ppm ASTM D5165m >3 0 Aluminum ppm ASTM D5165m >2 0 Aluminum ppm ASTM D5165m >10 0 Copper ppm ASTM D5165m >10 0 Tin </th <th>CAMPLE INFORM</th> <th>AATIONI</th> <th>and the seal</th> <th></th> <th></th> <th>la fore a constant</th> <th>la la tarra O</th>	CAMPLE INFORM	AATIONI	and the seal			la fore a constant	la la tarra O
Sample Date 16 Aug 2022	SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Machine Age					KCP49386		
Oil Changed Oil Changed Sample Status nrs 0 Changed	Sample Date				16 Aug 2022		
Oil Changed Sample Status Changed ABNORMAL WEAR METALS method limit/base current history 1 history 2 Iron ppm ASTM D5185m >50 0 Nickel ppm ASTM D5185m >3 0 Nickel ppm ASTM D5185m >3 0 Nickel ppm ASTM D5185m >2 0 Alluminum ppm ASTM D5185m >2 0 Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 0		hrs			45582		
Sample Status	•	hrs			•		
WEAR METALS method limit/base current history 1 history 2 Iron ppm ASTM D5185m >50 0 Nickel ppm ASTM D5185m >10 0 Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 0 Aluminum ppm ASTM D5185m >10 <1	-						
Iron	Sample Status				ABNORMAL		
Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 0 Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 0 Aluminum ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m 10 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 47	WEAR METALS		method	limit/base	current	history 1	history 2
Nickel ppm ASTM D5185m >3 0 Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 0 Aluminum ppm ASTM D5185m >10 <1	Iron	ppm	ASTM D5185m	>50	0		
Titanium	Chromium	ppm	ASTM D5185m	>10	0		
Silver	Nickel	ppm	ASTM D5185m	>3	0		
Silver	Titanium		ASTM D5185m	>3	0		
Aluminum	Silver		ASTM D5185m	>2	0		
Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 4 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 Boron ppm ASTM D5185m 22 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 47 Magnesium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 21 Sulfur ppm ASTM D5185m 14 Sulfur ppm ASTM D5185m 14 -	Aluminum		ASTM D5185m	>10	<1		
Copper							
Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history 1 history 2 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Mangaese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 47 Calcium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Zinc ppm ASTM D5185m 14 Sulfur ppm ASTM D5185m 17076 Sulfur ppm ASTM D5185m 25 <1 -					-		
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Magnesium ppm ASTM D5185m 47 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 21 Zinc ppm ASTM D5185m 14 Sulfur ppm ASTM D5185m 17076 Sulfur ppm ASTM D5185m 25 <1	Molybdenum	ppm	ASTM D5185m		0		
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Zinc ppm ASTM D5185m 14 Sulfur ppm ASTM D5185m 17076 Sulfur ppm ASTM D5185m 17076	Calcium	ppm	ASTM D5185m		0		
Sulfur ppm ASTM D5185m 17076 CONTAMINANTS method limit/base current history 1 history 2 Silicon ppm ASTM D5185m >25 <1	Phosphorus	ppm	ASTM D5185m		21		
CONTAMINANTS method limit/base current history 1 history 2 Silicon ppm ASTM D5185m >25 <1	Zinc	ppm	ASTM D5185m		14		
Silicon ppm ASTM D5185m >25 <1 Sodium ppm ASTM D5185m 8 Potassium ppm ASTM D5185m >20 0 Water % ASTM D6304 >0.05 0.014 ppm Water ppm ASTM D6304 >500 145.4 FLUID CLEANLINESS method limit/base current history 1 history 2 Particles >4μm ASTM D7647 >1300 28803 Particles >6μm ASTM D7647 >80 1287 Particles >21μm ASTM D7647 >20 236 Particles >38μm ASTM D7647 >4 16 Particles >71μm ASTM D7647 >3 2 Oil Cleanliness ISO 4406 (c) /17/13 24/22/17	Sulfur	ppm	ASTM D5185m		17076		
Sodium ppm ASTM D5185m 8 Potassium ppm ASTM D5185m >20 0 Water % ASTM D6304 >0.05 0.014 ppm Water ppm ASTM D6304 >500 145.4 FLUID CLEANLINESS method limit/base current history 1 history 2 Particles >4μm ASTM D7647 98155 Particles >6μm ASTM D7647 >1300 28803 Particles >14μm ASTM D7647 >80 1287 Particles >21μm ASTM D7647 >20 236 Particles >38μm ASTM D7647 >4 16 Particles >71μm ASTM D7647 >3 2 Oil Cleanliness ISO 4406 (c) >/17/13 24/22/17 FLUID DEGRADATION method limit/base current history 1	CONTAMINANTS		method	limit/base	current	history 1	history 2
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Water % ASTM D6304 >0.05 0.014 ppm Water ppm ASTM D6304 >500 145.4 FLUID CLEANLINESS method limit/base current history 1 history 2 Particles >4μm ASTM D7647 98155 Particles >6μm ASTM D7647 >1300 28803 Particles >14μm ASTM D7647 >80 1287 Particles >21μm ASTM D7647 >20 236 Particles >38μm ASTM D7647 >4 16 Particles >71μm ASTM D7647 >3 2 Oil Cleanliness ISO 4406 (c) >/17/13 24/22/17 FLUID DEGRADATION method limit/base current history 1 history 2	Sodium	ppm	ASTM D5185m		8		
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Particles >21μm ASTM D7647 >20 236 Particles >38μm ASTM D7647 >4 16 Particles >71μm ASTM D7647 >3 2 Oil Cleanliness ISO 4406 (c) >/17/13 24/22/17 FLUID DEGRADATION method limit/base current history 1 history 2	Particles >6µm		ASTM D7647	>1300	28803		
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Particles >71μm ASTM D7647 >3 2 Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 24/22/17 FLUID DEGRADATION method limit/base current history 1 history 2			ASTM D7647	>4			
Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 24/22/17 FLUID DEGRADATION method limit/base current history 1 history 2				>3	2		
			ISO 4406 (c)	>/17/13	<u> 24/22/17</u>		
	FLUID DEGRADA	TION	method	limit/base	current	history 1	history 2



OIL ANALYSIS REPORT





GRAPHS		
Ferrous Alloys	Particle Count	T 26
8 iron		
6 - annananan nickel	122,880	-24
4	30,720	-22
0	7,680	20 8
Aug16/22	Aug 16/22 s (per 1 ml)	18 4406
Non-ferrous Metals	Aug 16/22. Aug 16/22. 1.950 480 150-	120 4406:1999 Oleaniness Code
copper	120	-14 ess
E 6	30	12 6
2	8 Shreemal	10
0 2		8
Aug16/22	Aug16/22	6
Viscosity @ 40°C	4μ 6μ 14μ 21μ Acid Number	38μ 71μ
Abnormal		
(2,0) 45	× 0.30 +	-
40 Abnormal	0.40 0.30 0.10 0.00	
35	00.0 V ed	
Aug16/22	Aug16/22 Aug16/22	Aug16/22
AL	Au Au	Au



Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: 10103355

: KCP49386 : 05623848

Bottom

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

: 22 Aug 2022 Diagnosed

: 24 Aug 2022 Diagnostician : Don Baldridge

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)

EXCALIBUR ENTERPRISES INC

4820 BETHANIA STATION RD WINSTON SALEM, NC

USA 27105

Contact: Service Manager

T: F:

no image

no image

no image

no image