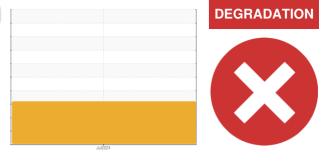


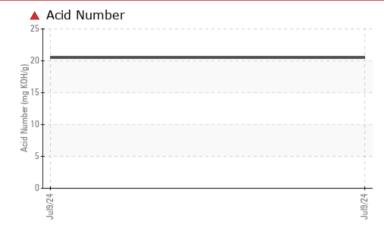


PROBLEM SUMMARY



Machine Id AIR 3 Component Air Compressor Fluid {not provided} (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE				
Acid Number (AN)	mg KOH/g	ASTM D8045		a 20.48				

Customer Id: CARFORCO Sample No.: USP0012339 Lab Number: 06236870 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 <u>dougb@wearcheckusa.com</u>

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			?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.	
Flush System			?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.	
Resample			?	We recommend an early resample to monitor this condition.	

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT



X

Machine Id AIR 3 Component Air Compressor Fluid {not provided} (--- GAL)

DIAGNOSIS

A Recommendation

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a trace of moisture present in the oil. The amount and size of particulates present in the system are acceptable.

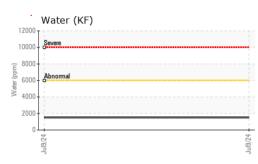
Fluid Condition

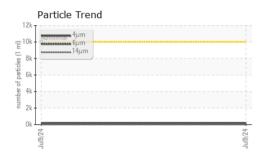
The AN level is above the recommended limit. Confirmed.

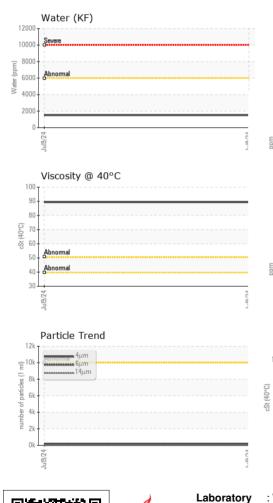
Sample Number Client Info 09 Jul 2024 Sample Date Client Info 09 Jul 2024 Oil Age hrs Client Info 0 Oil Age hrs Client Info N/A Sample Status Client Info N/A WEAR METALS method Imit Sistis Sa 0 WEAR METALS method Imit Sistis Sa 0 Nickel ppm ASTM 05185 Sa 0 Silver ppm ASTM 05185 Sa 0 Silver ppm ASTM 05185 Sa 0 Copper ppm ASTM 05185 Sa 0 Copper ppm ASTM 05185 Sa 0 Mandames ppm ASTM 05185 Sa 0 Coppe	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info N/A WEAR METALS method Imit/base current history! WEAR METALS method Imit/base current history! Nickel ppm ASTM D5185m >44 0 Nickel ppm ASTM D5185m >44 0 Silver ppm ASTM D5185m >20 0 Lead ppm ASTM D5185m >20 0 Copper ppm ASTM D5185m >50 0 Cadmium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0	Sample Number		Client Info		USP0012339		
Oil Age hrs Client Info N/A Sample Status Client Info N/A WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 Nickel ppm ASTM D5185m >4 0 Nickel ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >20 0 Aluminum ppm ASTM D5185m >20 0 Aged ppm ASTM D5185m >20 0 Cadmium ppm ASTM D5185m 5 0 Astm D5185m 0 Astm D5185m 0 Vanadium	Sample Date		Client Info		09 Jul 2024		
Oil Changed Sample Status Client Info N/A WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM D518sm >50 0 Chromium ppm ASTM D518sm >4 0 Nickel ppm ASTM D518sm >4 0 Nickel ppm ASTM D518sm >4 0 Aluminum ppm ASTM D518sm >10 0 Lead ppm ASTM D518sm >50 0 Vanadium ppm ASTM D518sm 50 0 Cadmium ppm ASTM D518sm 0 Barium ppm ASTM D518sm 0 Magneseu ppm ASTM D518sm 0	Machine Age	hrs	Client Info		0		
Sample Status Image: status SEVERE WEAR METALS method imil/base current history1 history2 Iron ppm ASTM D5185m >50 0 Nickel ppm ASTM D5185m >4 0 Silver ppm ASTM D5185m >4 0 Aluminum ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 0 Cadmium ppm ASTM D5185m >5 0 ADDITIVES method Imit/base current history1 history2 Boron ppm ASTM D5185m 0 Magnaese ppm ASTM D5185m 0	Oil Age	hrs	Client Info		0		
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Iron ppm ASTM D5185m >50 0 Nickel ppm ASTM D5185m >4 0 Nickel ppm ASTM D5185m >0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >20 0 Copper ppm ASTM D5185m >20 0 Yanadium ppm ASTM D5185m >20 0 ADDITIVES method Imit/base current history1 history2 Boron ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Magnese ppm ASTM D5185m 0 M	Sample Status				SEVERE		
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Marganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 7 Zinc ppm ASTM D5185m 7 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sodium ppm ASTM D5185m >25 <1	Barium	ppm	ASTM D5185m		0		
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Calcium ppm ASTM D5185m <1 Phosphorus ppm ASTM D5185m 7 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1	Manganese	ppm	ASTM D5185m		0		
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ppm Water ppm ASTM D6304 >6000 1503 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >10000 179 Particles >6μm ASTM D7647 >2500 60 Particles >6μm ASTM D7647 >2500 60 Particles >14μm ASTM D7647 >320 5 Particles >21μm ASTM D7647 >80 2 Particles >38μm ASTM D7647 >20 0 Particles >71μm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 FLUID DEGRADATION method limit/base current history1 history2	Potassium	ppm	ASTM D5185m	>20	1		
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 179 Particles >6µm ASTM D7647 >2500 60 Particles >6µm ASTM D7647 >2500 60 Particles >14µm ASTM D7647 >320 5 Particles >14µm ASTM D7647 >80 2 Particles >21µm ASTM D7647 >20 0 Particles >38µm ASTM D7647 >20 0 Particles >71µm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 FLUID DEGRADATION method limit/base current history1 history2	Water	%	ASTM D6304	>0.6	0.150		
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Particles >71μm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>80	2		
Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>20	0		
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>4	0		
	Oil Cleanliness		ISO 4406 (c)	>20/18/15	15/13/10		
Acid Number (AN) mg KOH/g ASTM D8045 A 20.48	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		20.48		

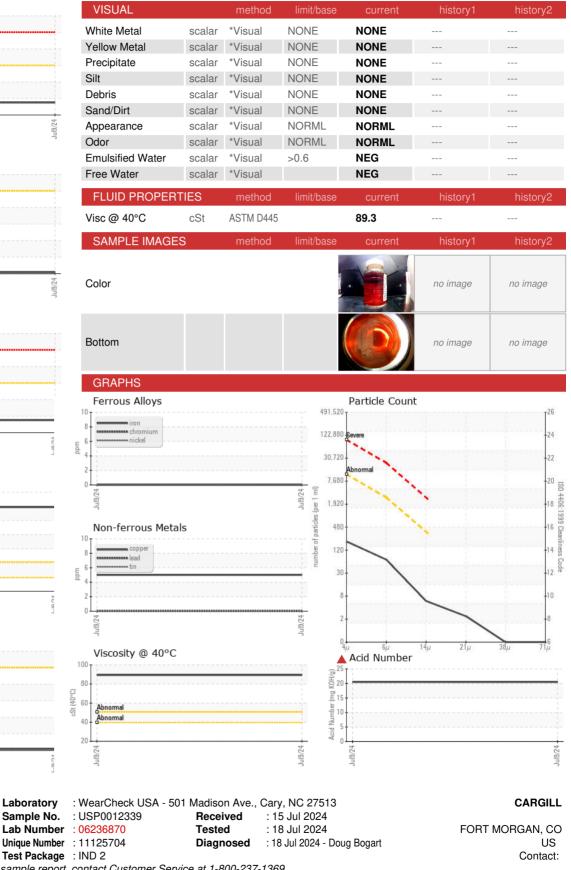


OIL ANALYSIS REPORT









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)

Report Id: CARFORCO [WUSCAR] 06236870 (Generated: 07/18/2024 14:31:44) Rev: 1

Certificate 12367

Sample No.

Contact/Location: ? ? - CARFORCO

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