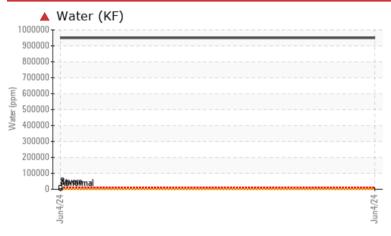




## **PROBLEM SUMMARY**

## Area **NOT GIVEN** CHICAGO PNEUMATIC ITJ090430 Component Compressor

#### COMPONENT CONDITION SUMMARY



#### RECOMMENDATION

#### UNIT FAILURE

PROBLEMATIC <sup>-</sup>	FEST RE	SULTS			
Sample Status				SEVERE	 
Water	%	ASTM D6304	>0.1	<b>4</b> 95.0	 
ppm Water	ppm	ASTM D6304	>1000	<b>950000</b>	 
Silt	scalar	*Visual	NONE	🔺 HEAVY	 
Debris	scalar	*Visual	NONE	🔺 MODER	 
Emulsified Water	scalar	*Visual	>0.1	<b>6.2%</b>	 
Free Water	scalar	*Visual		<b>▲</b> >10%	 

Customer Id: UCADVTOM Sample No.: UCH06210239 Lab Number: 06210239 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 Filter			?	We recommend you service the filters on this component.		
Water Drain-off			?	We advise that you follow the water drain-off procedure for this component.		
Resample			?	We recommend an early resample to monitor this condition.		

HISTORICAL DIAGNOSIS



# **OIL ANALYSIS REPORT**

Sample Rating Trend

WATER

X

#### Area NOT GIVEN Machine Id CHICAGO PNEUMATIC ITJ090430

Component Compressor

### DIAGNOSIS

#### Recommendation

UNIT FAILURE

#### Wear

All component wear rates are normal.

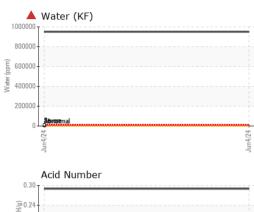
#### Contamination

There is a high amount of visible silt present in the sample. Moderate concentration of visible dirt/debris present in the oil. Sample is 95% water.

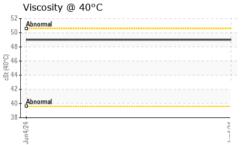
SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06210239		
Sample Date		Client Info		04 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				SEVERE		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>50	2		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current <1	history1	history2
	ppm ppm		limit/base			
Boron		ASTM D5185m	limit/base	<1		
Boron Barium	ppm	ASTM D5185m ASTM D5185m	limit/base	<1 0		
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	<1 0 <1		
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	<1 0 <1 <1		
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	<1 0 <1 <1 0		
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	<1 0 <1 <1 0 0	  	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	<1 0 <1 <1 0 0 0	   	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	<1 0 <1 <1 0 0 0 0 0	    	    
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		<1 0 <1 <1 0 0 0 0 0 0 0		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	<1 0 <1 <1 0 0 0 0 0 0 0 0 0 0 0 0	     history1	     history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> ASTM D5185m	limit/base	<1 0 <1 <1 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 2 1	     history1	     history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> ASTM D5185m	limit/base >25	<1 0 <1 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	     history1	     history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >25 >20	<1 0 <1 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	      history1	     history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >25 >20 >0.1	<1 0 <1 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	     history1  	     history2



# **OIL ANALYSIS REPORT**







White Metal scalar *Visual NONE NONE	VISU	JAL		method	limit/base	current	history1	histo
Precipitate scalar *Visual NONE NONE	White	Metal	scalar	*Visual	NONE	NONE		
Silt scalar *Visual NONE A HEAVY Debris scalar *Visual NONE A MODER	Yellow	Metal	scalar	*Visual	NONE	NONE		
Debris scalar *Visual NONE MODER Appearance scalar *Visual NONE NONE	Precipi	itate	scalar	*Visual	NONE	NONE		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1  0.2% Free Water scalar *Visual >0.1  0.2% FLUID PROPERTIES method limit/base current history1 histor Visc @ 40°C cSt ASTM D445 49.0 SAMPLE IMAGES method limit/base current history1 histor Color no image no image no image Bottom no image no image no image GRAPHS Ferrous Alloys 10 0 0 0 0 0 0 0 0 0 0 0 0 0	Silt		scalar	*Visual	NONE	🔺 HEAVY		
Appearance  scalar  *Visual  NORML      Odor  scalar  *Visual  NORML  NORML      Emulsified Water  scalar  *Visual  >0.1  0.2%      Free Water  scalar  *Visual  >0.1  0.2%      FLUID PROPERTIES  method  limit/base  current  history1  histor    Visc @ 40°C  cSt  ASTM D445  49.0      SAMPLE IMAGES  method  limit/base  current  history1  histor    Color  Image  no image  no image  no image  no image    Bottom  Image  Image  Image  Image  Image    Image  Image  Image  Image  Image  Image  Image    Image  Image  Image  Image  Image  Image  Image  Image  Image  Image    Color  Image  Image  Image  Image  Image  Image  Image  Image	Debris		scalar	*Visual				
Odor  scalar  *Visual  NORML  NORML      Emulsified Water  scalar  *Visual  >0.1  0.2%      Free Water  scalar  *Visual  >0.1  0.2%      Free Water  scalar  *Visual  >0.1  0.2%      Full  DPROPERTIES  method  limit/base  current  history1  histor    Visc @ 40°C  cSt  ASTM D445  49.0       SAMPLE IMAGES  method  limit/base  current  history1  histor    Color  image  no image  no image  no image  no image    Bottom  image  no image  image  image  image    image  image  image  image  image  image  image    image  image  image  image  image  image  image  image    image  image  image  image  image  image  image  image <td< td=""><td></td><td></td><td>scalar</td><td></td><td></td><td></td><td></td><td></td></td<>			scalar					
Emulsified Water scalar *Visual >0.1 0.2% Free Water scalar *Visual >0.1 0.2% Free Water scalar *Visual >10% FLUID PROPERTIES method limit/base current history1		rance						
Free Water  scalar  *Visual  >10%      FLUID PROPERTIES  method  limit/base  current  history1  histor    Visc @ 40°C  cSt  ASTM D445  49.0      SAMPLE IMAGES  method  limit/base  current  history1  histor    Color  imit/base  current  history1  histor    Bottom  imit/base  no image  no image    Ferrous Alloys       Mon-ferrous Metals       und								
FLUID PROPERTIES  method  limit/base  current  history1  history1    Visc @ 40°C  cSt  ASTM D445  49.0      SAMPLE IMAGES  method  limit/base  current  history1  history1    Color  imit/base  current  history1  history1  history1    Bottom  imit/base  current  no image  no image    Ferrous Alloys					>0.1			
Visc @ 40°C cSt ASTM D445 49.0 SAMPLE IMAGES method limit/base current history1 histor Color no image no image Bottom no image no image CRAPHS Ferrous Alloys  Non-ferrous Metals 	Free W	Vater	scalar	*Visual		<mark>▲</mark> >10%		
SAMPLE IMAGES  method  limit/base  current  history1  history1    Color  Imit/base  no image  no image  no image    Bottom  Imit/base  Imit/base  no image  no image    Bottom  Imit/base  Imit/base  Imit/base  Imit/base    Bottom  Imit/base  Imit/base  Imit/base  Imit/base    GRAPHS  Imit/base  Imit/base  Imit/base  Imit/base  Imit/base    Imit/base  Imit/base  Imit/base  Imit/base  Imit/base  Imit/base  Imit/base  Imit/base    Imit/base  Imit/base  Imit/base  Imit/base  Imit/base  Imit/base  Imit/base    Imit/base  Imit/base  Imit/base  Imit/base  Imit/base  Imit	FLUI	D PROPERT	IES	method	limit/base	current	history1	histo
Color no image no image Bottom no image no image CRAPHS Ferrous Alloys Non-ferrous Metals Non-ferrous Metals	Visc @	940°C	cSt	ASTM D445		49.0		
Bottom no image no image	SAM	PLE IMAGES	;	method	limit/base	current	history1	histo
GRAPHS Ferrous Alloys	Color					a.	no image	no ima
Ferrous Alloys	Bottom	1					no image	no ima
	Non-	copper	5		2.hunp			
	50 + 0 (0,0) + 45 - 40 - Abnom 35 - 40 - 40 - 40 - 40 - 40 - 40 - 40 - 4				.0 .0 .0 .0 .0			
Image: Second	Jun4/24				Jun4/2'	Jun4/2'		
50    Abnormal      60    0.024      60    0.024      70    40      40 <td>/ : WearCh</td> <td>ieck USA - 501</td> <td>Madiso</td> <td>n Ave., Carv</td> <td>, NC 27513</td> <td>ADVAN</td> <td>CED COMPRESSED AIR</td> <td></td>	/ : WearCh	ieck USA - 501	Madiso	n Ave., Carv	, NC 27513	ADVAN	CED COMPRESSED AIR	

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)

Certificate L2367

Contact/Location: JIM SUAREZ - UCADVTOM

T:

F: