



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ATTENTION</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**NOT GIVEN**  
Machine Id  
**HODGE 2109015056 - COLONY TIRE**  
Component  
**Compressor**

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

## WEAR

All component wear rates are normal.

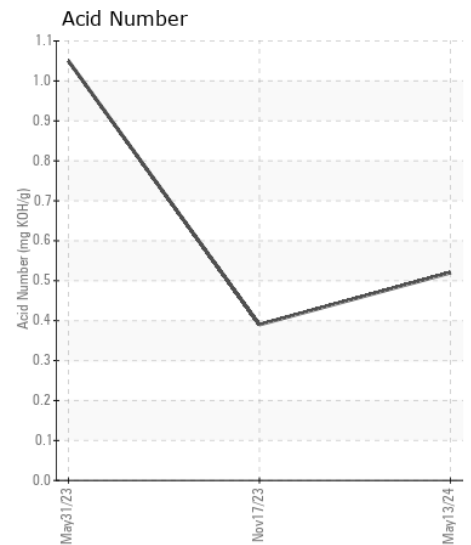
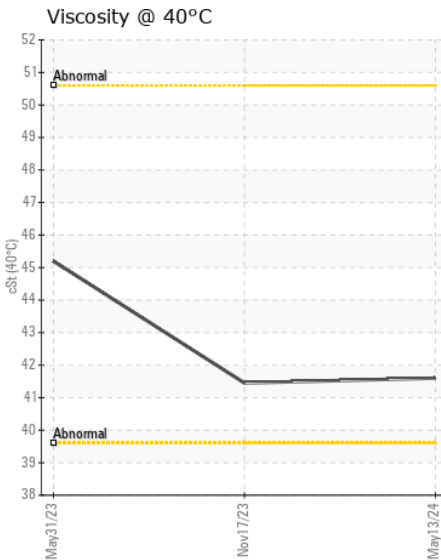
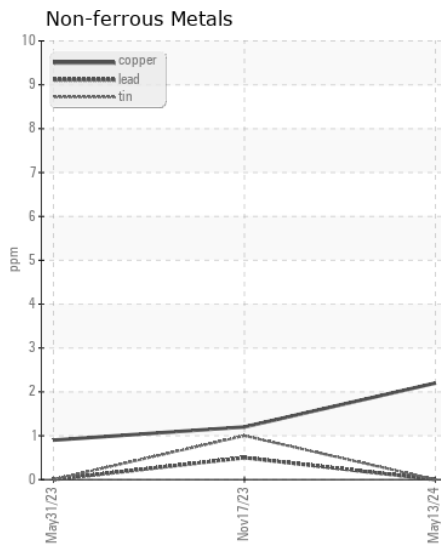
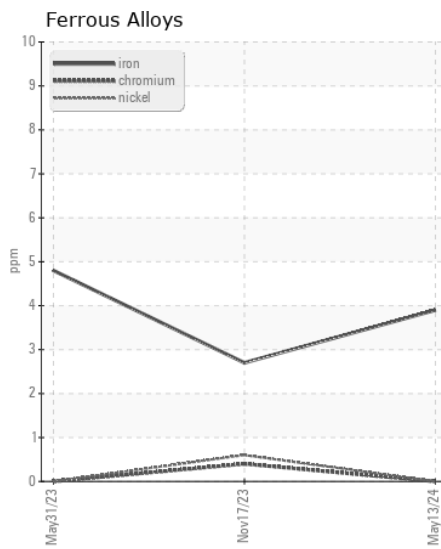
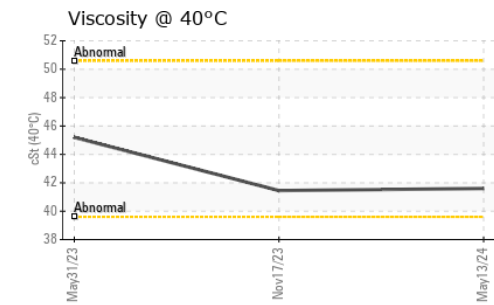
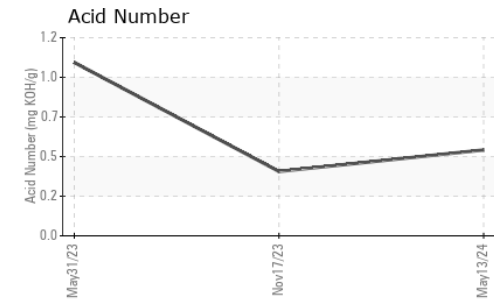
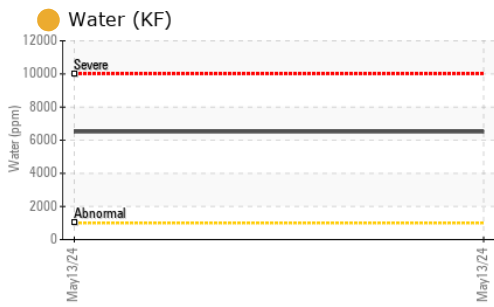
## CONTAMINATION

There is a moderate concentration of water present in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UCH0001070</b>	UHC0000857	UCH05908950
Sample Date		Client Info		<b>13 May 2024</b>	17 Nov 2023	31 May 2023
Machine Age	hrs	Client Info		<b>921</b>	521	206
Oil Age	hrs	Client Info		<b>720</b>	315	206
Filter Age	hrs	Client Info		<b>405</b>	315	206
Oil Changed		Client Info		<b>Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Changed
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	<b>4</b>	3	5
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>50	<b>2</b>	1	<1
Tin	ppm	ASTM D5185m	>15	<b>0</b>	1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	<b>6</b>	4	7
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	<1
Water	%	ASTM D6304	>0.1	<b>0.651</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	<b>6510</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>MODER</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>HAZY</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>0.2%</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>5</b>	6	5
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>3</b>	3	6
Calcium	ppm	ASTM D5185m		<b>179</b>	192	936
Phosphorus	ppm	ASTM D5185m		<b>475</b>	481	500
Zinc	ppm	ASTM D5185m		<b>152</b>	147	522
Sulfur	ppm	ASTM D5185m		<b>5383</b>	4488	12702
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.52</b>	0.39	1.05
Visc @ 40°C	cSt	ASTM D445		<b>41.6</b>	41.45	45.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH0001070 **Received** : 17 Jun 2024  
**Lab Number** : 06211832 **Tested** : 18 Jun 2024  
**Unique Number** : 11084696 **Diagnosed** : 19 Jun 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

**CHARLOTTE COMPRESSOR**  
 338 S SHARON AMITY RD #201  
 CHARLOTTE, NC  
 US 28211  
 Contact: Service  
 service@atlantaaircompressor.com  
 T: (704)399-9993  
 F:

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)