



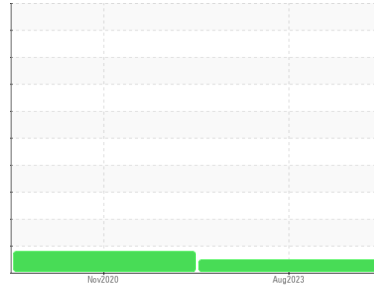
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ROTAIR [820242]**  
 Machine Id  
**CHICAGO PNEUMATIC CAI889688 - MARKET SPEED LOGISTICS**  
 Component  
**Compressor**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination 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/base	current	history1	history2
Sample Number	Client Info		<b>UCH05982442</b>	UCH05132445	---
Sample Date	Client Info		<b>08 Aug 2023</b>	13 Nov 2020	---
Machine Age	hrs	Client Info	<b>13520</b>	9902	---
Oil Age	hrs	Client Info	<b>2141</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	ATTENTION	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>1</b>	4	---
Chromium	ppm	ASTM D5185m >10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	11	---
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	4	---
Copper	ppm	ASTM D5185m >50	<b>28</b>	▲ 70	---
Tin	ppm	ASTM D5185m >15	<b>0</b>	<1	---
Antimony	ppm	ASTM D5185m	<b>---</b>	2	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	<b>0</b>	1	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	3	---
Calcium	ppm	ASTM D5185m	<b>262</b>	331	---
Phosphorus	ppm	ASTM D5185m	<b>346</b>	422	---
Zinc	ppm	ASTM D5185m	<b>514</b>	755	---
Sulfur	ppm	ASTM D5185m	<b>8063</b>	3166	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>4</b>	14	---
Sodium	ppm	ASTM D5185m	<b>6</b>	11	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	3	---

## FLUID DEGRADATION

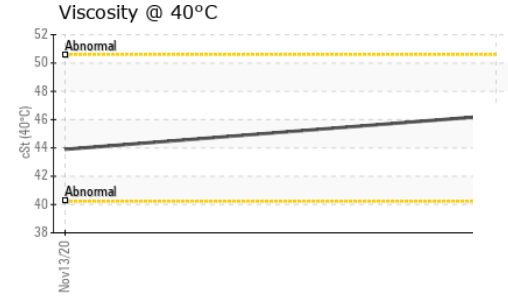
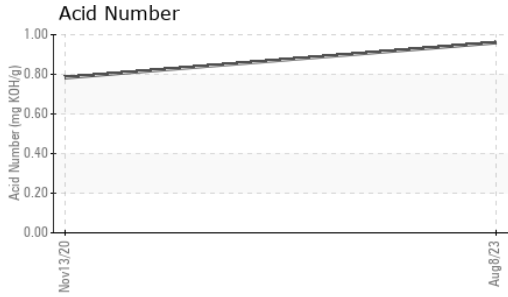
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.96</b>	0.783	---

## VISUAL




	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual NONE	<b>NONE</b>	LIGHT	---
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual >0.1	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---



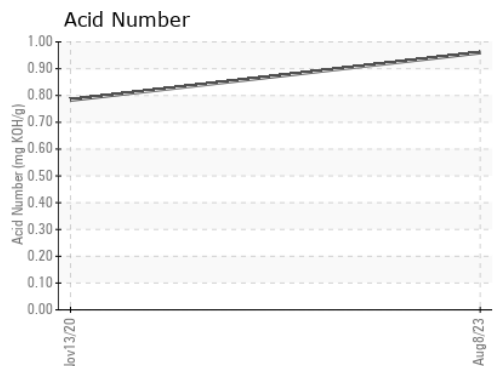
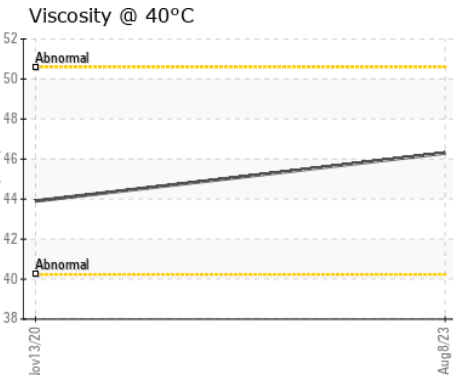
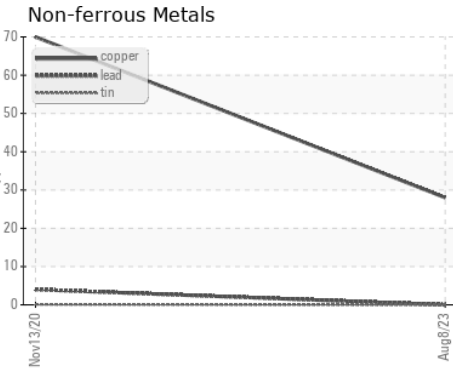
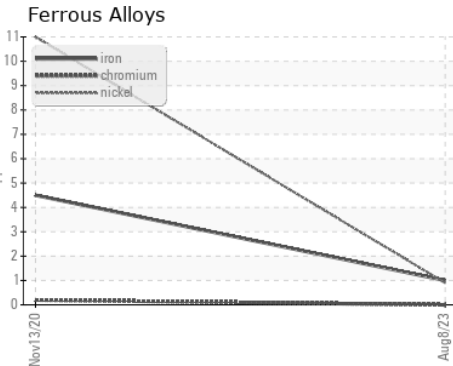
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.3	43.9	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					no image
Bottom					no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05982442     **Received** : 18 Oct 2023  
**Lab Number** : 05982442     **Diagnosed** : 20 Oct 2023  
**Unique Number** : 10699737     **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**AIR & GAS TECHNOLOGIES**  
 42 INDUSTRIAL DR  
 CLIFFWOOD BEACH, NJ  
 US 07735  
 Contact: JOSEPH TORCHIA

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)

T: (732)566-7227

F: