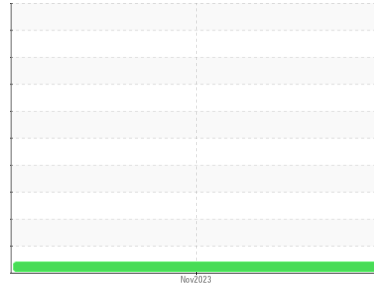


Area  
**ULTRACHEM PO-4010**  
 Machine Id  
**QUINCY 5613 - MORRIS & ASSOCIATES**  
 Component  
**Compressor**



**DIAGNOSIS**

**Recommendation**

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is higher than normal. The AN level is acceptable for this fluid.

**SAMPLE INFORMATION** method limit/base current history1 history2

Sample Number	Client Info	UCP06058201	---	---
Sample Date	Client Info	03 Nov 2023	---	---
Machine Age	hrs	Client Info	100400	---
Oil Age	hrs	Client Info	14000	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ATTENTION	---	---

**CONTAMINATION** method limit/base current history1 history2

Water	WC Method	>0.1	NEG	---	---
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**WEAR METALS** method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>50	0	---	---
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	0	---	---
Lead	ppm	ASTM D5185m	>25	0	---	---
Copper	ppm	ASTM D5185m	>50	0	---	---
Tin	ppm	ASTM D5185m	>15	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
Cadmium	ppm	ASTM D5185m		0	---	---

**ADDITIVES** method limit/base current history1 history2

Boron	ppm	ASTM D5185m	0	0	---	---
Barium	ppm	ASTM D5185m	0.4	0	---	---
Molybdenum	ppm	ASTM D5185m	0.5	0	---	---
Manganese	ppm	ASTM D5185m	0.4	0	---	---
Magnesium	ppm	ASTM D5185m	0	0	---	---
Calcium	ppm	ASTM D5185m	0.3	0	---	---
Phosphorus	ppm	ASTM D5185m	1376	435	---	---
Zinc	ppm	ASTM D5185m	0	5	---	---
Sulfur	ppm	ASTM D5185m	320	432	---	---

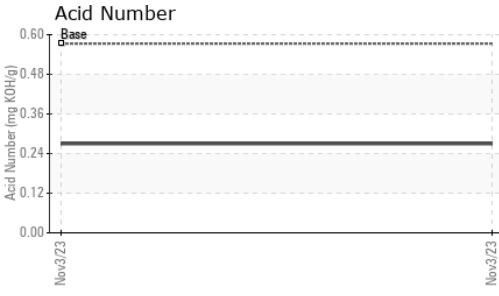
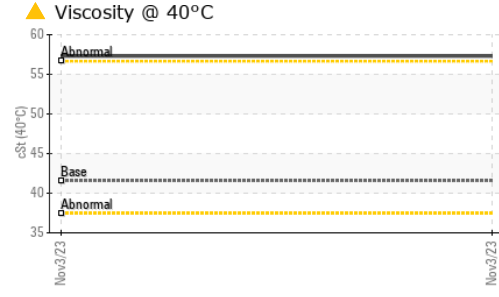
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>25	0	---	---
Sodium	ppm	ASTM D5185m		0	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---

**FLUID DEGRADATION** method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045	0.573	0.27	---	---
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# OIL ANALYSIS REPORT



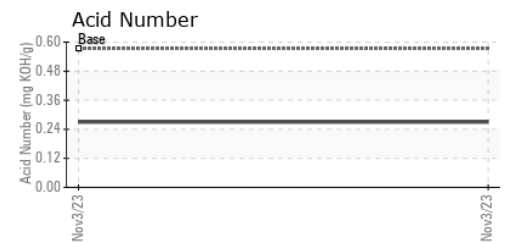
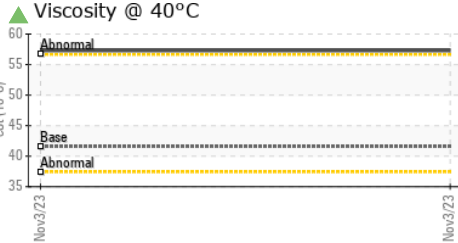
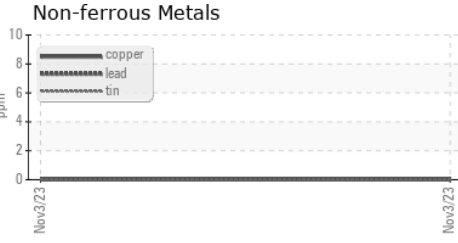
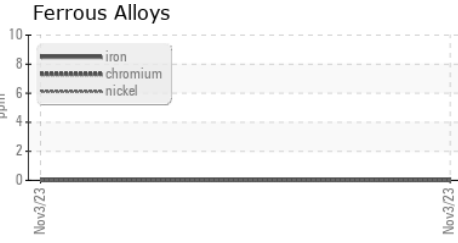
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	---
Sand/Dirt	scalar	*Visual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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	41.57 <span style="color: green;">▲ 57.3</span>	---	---

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

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCP06058201 **Recieved** : 11 Jan 2024  
**Lab Number** : 06058201 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 10829583 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**PATTONS INC - RALEIGH**  
 2616 DISCOVERY DRIVE  
 RALEIGH, NC  
 US 27616  
 Contact: AARON MCCOY  
 aaron.mccoy@pattonsync.com  
 T: (919)872-6411  
 F: (919)876-1961

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)