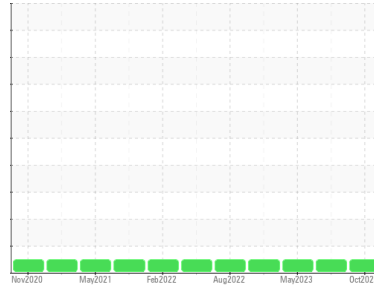




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ROTO XTEND**  
 Machine Id  
**ATLAS COPCO API615416 - PERDUE**  
 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>UCH05982439</b>	UCH05887944	UCH05839322
Sample Date	Client Info			<b>16 Oct 2023</b>	28 Jun 2023	01 May 2023
Machine Age	hrs	Client Info		<b>25689</b>	25485	25433
Oil Age	hrs	Client Info		<b>208</b>	0	3254
Oil Changed	Client Info			<b>Not Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>2</b>	1	2
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Lead	ppm	ASTM D5185m	>65	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>65	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>0</b>	13	<1
Calcium	ppm	ASTM D5185m		<b>0</b>	2	<1
Phosphorus	ppm	ASTM D5185m		<b>39</b>	19	19
Zinc	ppm	ASTM D5185m		<b>47</b>	42	19
Sulfur	ppm	ASTM D5185m		<b>105</b>	46	43

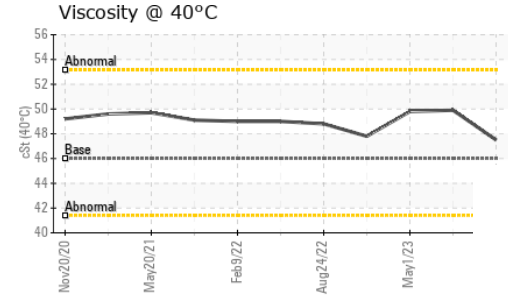
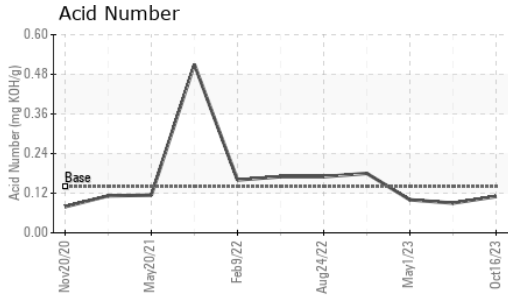
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<b>1</b>	3	4
Sodium	ppm	ASTM D5185m		<b>6</b>	2	2
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	<b>0.11</b>	0.09	0.10

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

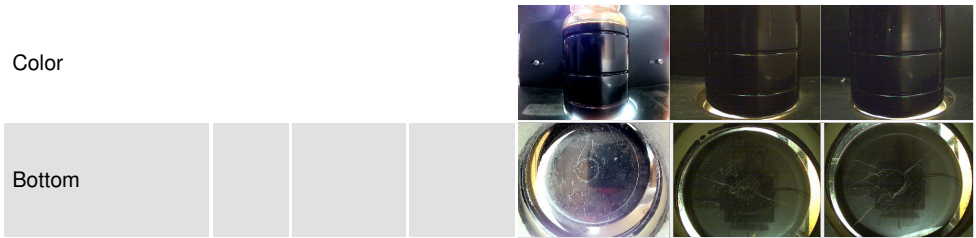


# OIL ANALYSIS REPORT

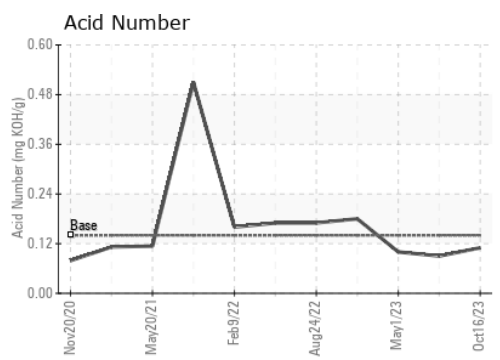
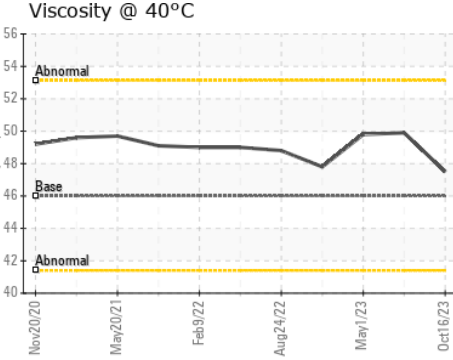
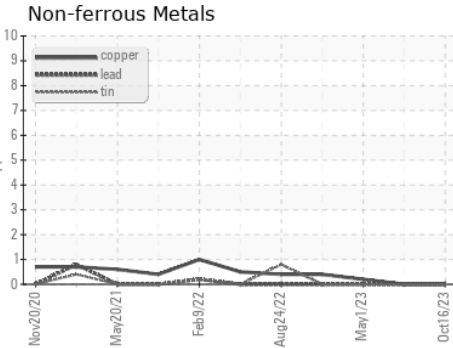
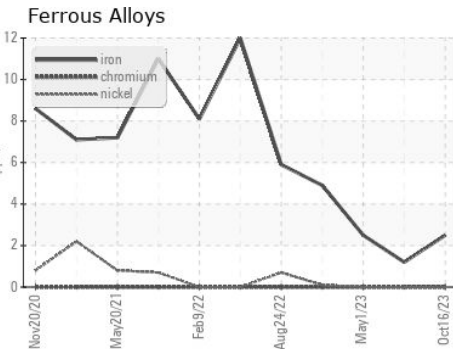


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	<b>47.5</b>	49.9	49.8

SAMPLE IMAGES		method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05982439 **Received** : 18 Oct 2023  
**Lab Number** : **05982439** **Diagnosed** : 20 Oct 2023  
**Unique Number** : 10699734 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**TATE ENGINEERING**  
 8131 VIRGINIA PINE CT  
 RICHMOND, VA  
 US 23237  
 Contact: JOE MYRICK  
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 F: (804)743-0415

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)