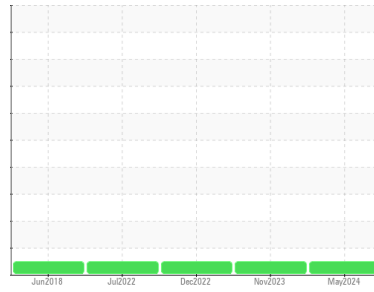




# OIL ANALYSIS REPORT

Area  
**ROTO XTEND**  
 Machine Id  
**ATLAS COPCO API623670 - MARKWEST**  
 Component  
**Compressor**

### Sample Rating Trend



**NORMAL**



### 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 component.

#### 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>UCH06199355</b>	UCH06027886	UCH05715092
Sample Date	Client Info		<b>28 May 2024</b>	13 Nov 2023	05 Dec 2022
Machine Age	hrs	Client Info	<b>34901</b>	32050	28781
Oil Age	hrs	Client Info	<b>6120</b>	3269	7990
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>0</b>	0	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>	0	0
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m >15	<b>0</b>	0	2
Lead	ppm	ASTM D5185m >65	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >65	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m >10	<b>&lt;1</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>3</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>1</b>	0	<1
Calcium	ppm	ASTM D5185m	<b>5</b>	<1	6
Phosphorus	ppm	ASTM D5185m	<b>12</b>	14	50
Zinc	ppm	ASTM D5185m	<b>48</b>	53	158
Sulfur	ppm	ASTM D5185m	<b>59</b>	12	0

### CONTAMINANTS

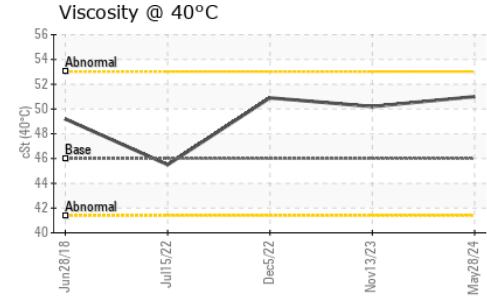
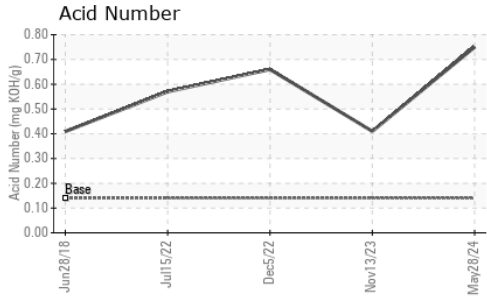
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	<b>&lt;1</b>	0	<1
Sodium	ppm	ASTM D5185m	<b>6</b>	9	23
Potassium	ppm	ASTM D5185m >20	<b>3</b>	<1	<1

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.14	<b>0.75</b>	0.41	0.66



# OIL ANALYSIS REPORT



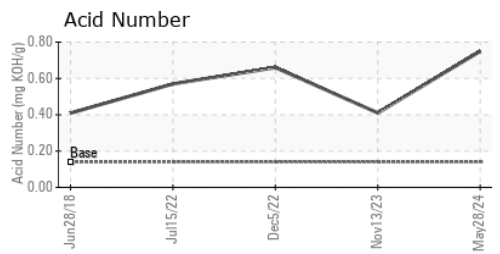
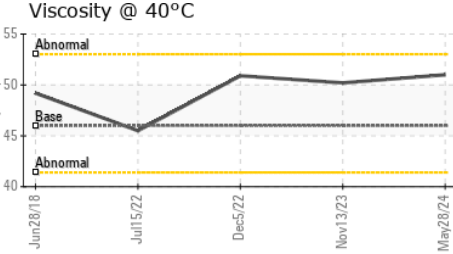
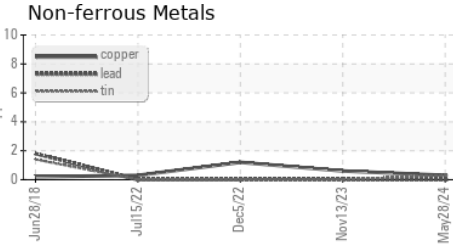
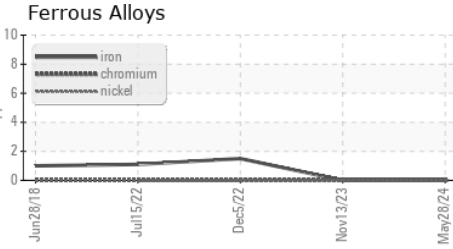
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE
Sand/Dirt	scalar	*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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	<b>51.0</b>	50.2	50.9

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06199355      **Received** : 04 Jun 2024  
**Lab Number** : **06199355**      **Tested** : 05 Jun 2024  
**Unique Number** : 11061478      **Diagnosed** : 06 Jun 2024 - Sean Felton  
**Test Package** : IND 2

**TOTAL EQUIPMENT COMPANY**  
 200 SMILEY DR  
 SAINT ALBANS, WV  
 US 25177  
 Contact: Jeremy Weimer  
 Jeremy.weimer@totalequipment.com

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)