



# OIL ANALYSIS REPORT

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

Area  
**ROTO XTEND**  
Machine Id  
**ATLAS COPCO ITJ473524 - CALIBER COLLISION 1777**  
Component  
**Compressor**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UCH06211793</b>	UCH06036910	UCH05704630
Sample Date		Client Info		<b>06 Jun 2024</b>	13 Dec 2023	22 Nov 2022
Machine Age	hrs	Client Info		<b>6995</b>	5964	2682
Oil Age	hrs	Client Info		<b>1301</b>	3011	2682
Filter Age	hrs	Client Info		<b>1301</b>	3011	2682
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	<1
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	3
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Lead	ppm	ASTM D5185m	>65	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>65	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

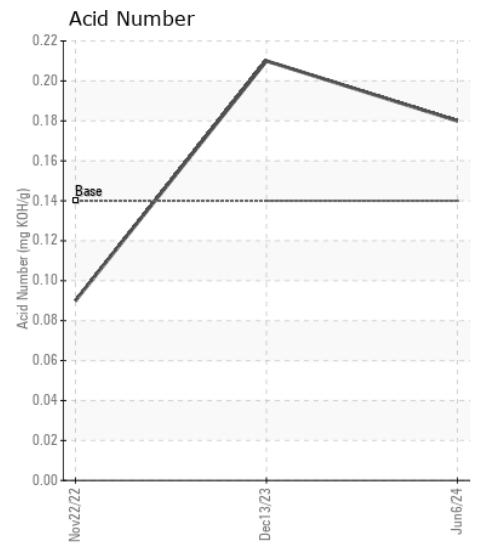
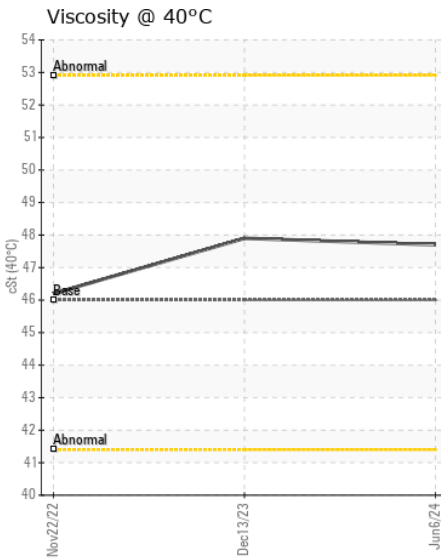
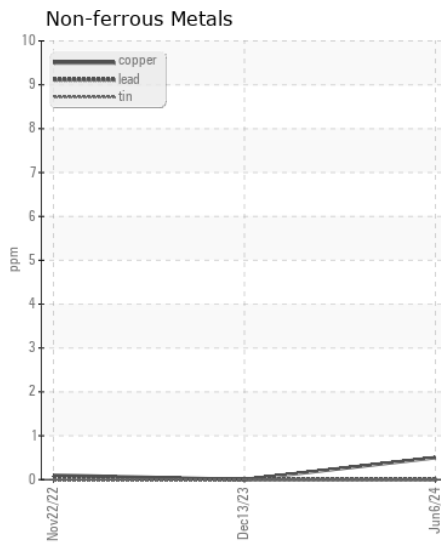
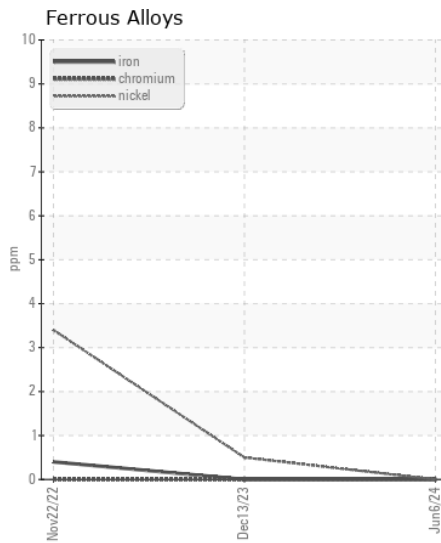
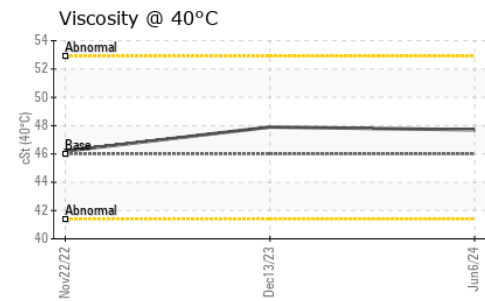
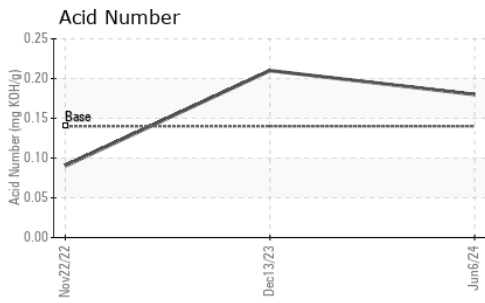
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	<b>&lt;1</b>	2	8
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>4</b>	<1	<1
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	0
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	0
Calcium	ppm	ASTM D5185m		<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m		<b>43</b>	29	48
Zinc	ppm	ASTM D5185m		<b>110</b>	99	6
Sulfur	ppm	ASTM D5185m		<b>117</b>	7	0
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	<b>0.18</b>	0.21	0.09
Visc @ 40°C	cSt	ASTM D445	46	<b>47.7</b>	47.9	46.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06211793 **Received** : 17 Jun 2024  
**Lab Number** : **06211793** **Tested** : 18 Jun 2024  
**Unique Number** : 11084657 **Diagnosed** : 19 Jun 2024 - Don Baldrige  
**Test Package** : IND 2

**TATE ENGINEERING**  
 8131 VIRGINIA PINE CT  
 RICHMOND, VA  
 US 23237

Contact: RANDY BEAUCHAMP  
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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)

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