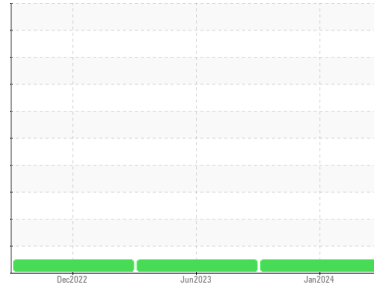




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ULTRA COOLANT**  
 Machine Id  
**CBV507093 - PARKER HANNIFIN**  
 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>UCH06075971</b>	UCH05875644	UCH05727432
Sample Date	Client Info		<b>23 Jan 2024</b>	09 Jun 2023	16 Dec 2022
Machine Age	hrs	Client Info	<b>24624</b>	21445	18565
Oil Age	hrs	Client Info	<b>1500</b>	5068	2190
Oil Changed	Client Info		<b>Not Changed</b>	Not Changd	Not 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>	<1	<1
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<b>&lt;1</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 >25	<b>&lt;1</b>	<1	0
Lead	ppm	ASTM D5185m >25	<b>2</b>	0	2
Copper	ppm	ASTM D5185m >50	<b>10</b>	<1	8
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 556	<b>837</b>	896	857
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m	<b>2</b>	1	<1
Calcium	ppm	ASTM D5185m 242	<b>6</b>	8	3
Phosphorus	ppm	ASTM D5185m 0	<b>6</b>	9	6
Zinc	ppm	ASTM D5185m 0	<b>39</b>	24	39
Sulfur	ppm	ASTM D5185m 306	<b>390</b>	520	445

## CONTAMINANTS

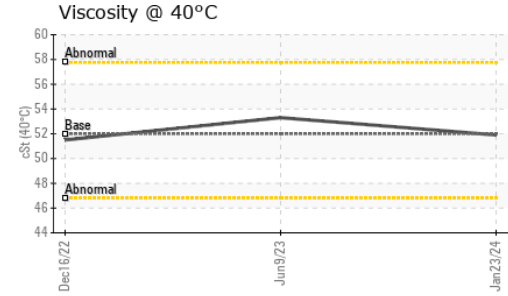
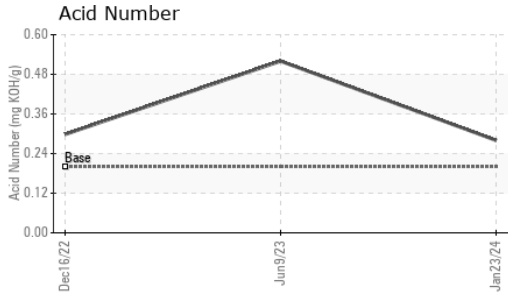
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>1</b>	1	1
Sodium	ppm	ASTM D5185m	<b>30</b>	51	28
Potassium	ppm	ASTM D5185m >20	<b>4</b>	6	2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.2	<b>0.28</b>	0.52	0.298



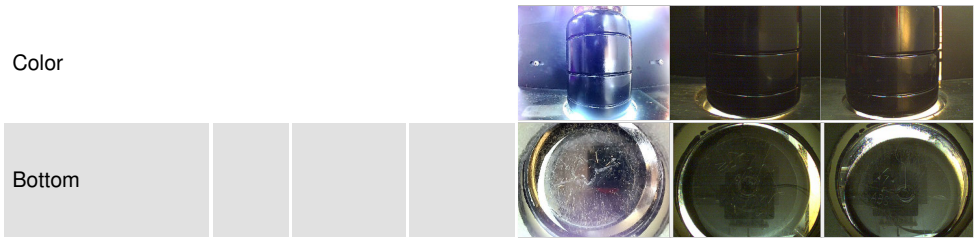
# OIL ANALYSIS REPORT



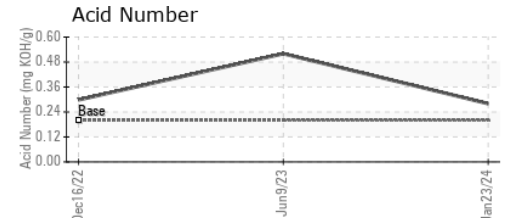
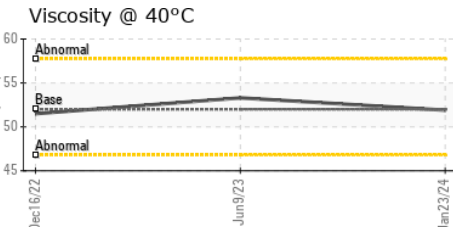
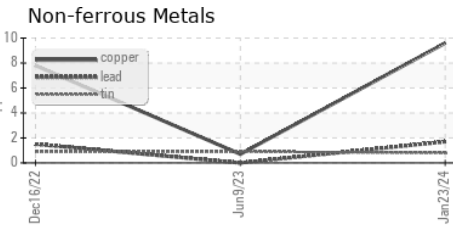
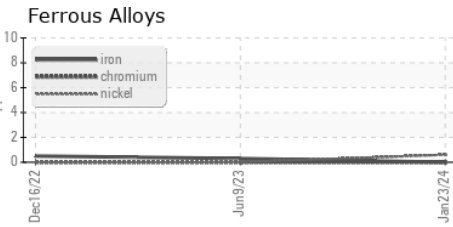
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 52	<b>51.9</b>	53.3	51.5

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06075971 **Received** : 31 Jan 2024  
**Lab Number** : **06075971** **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10858062 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**A-L-L EQUIPMENT INC**  
 204 38TH ST  
 MOLINE, IL  
 US 61265

Contact: KEVIN DESPOT  
 kevind@a-l-equipment.com  
 T: (815)877-7000  
 F: (309)762-9950

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)