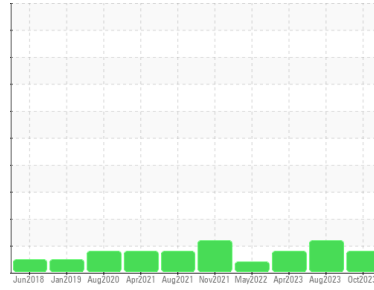




# PROBLEM SUMMARY

Area  
**PAL 32**  
 Machine Id  
**A502 (S/N 1705010001)**  
 Component  
**Compressor**

Sample Rating Trend

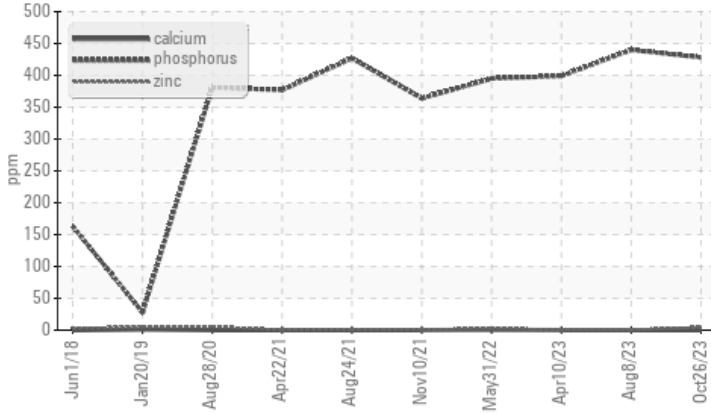


## ADDITIVES



### COMPONENT CONDITION SUMMARY

#### ▲ Additives



### RECOMMENDATION

Resample at the next service interval to monitor.

### PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ATTENTION	ATTENTION
Barium	ppm	ASTM D5185m	730	▲ 0	▲ 0	▲ 0
Phosphorus	ppm	ASTM D5185m	0	▲ 428	▲ 440	▲ 399

Customer Id: UCCLOMAN  
 Sample No.: UCH05994477  
 Lab Number: 05994477  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

### 08 Aug 2023 Diag: Don Baldrige

#### ADDITIVES



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

view report



### 10 Apr 2023 Diag: Doug Bogart

#### ADDITIVES



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

view report



### 31 May 2022 Diag: Jonathan Hester

#### ADDITIVES



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. An additive depletion is indicated. The AN level is acceptable for this fluid.

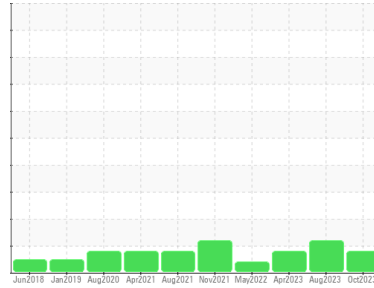
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



## ADDITIVES



Area  
**PAL 32**  
 Machine Id  
**A502 (S/N 1705010001)**  
 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

Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

### SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	<b>UCH05994477</b>	UCH05922865	UCH05818266	
Sample Date	Client Info	<b>26 Oct 2023</b>	08 Aug 2023	10 Apr 2023	
Machine Age	hrs	Client Info	<b>46668</b>	0	41883
Oil Age	hrs	Client Info	<b>3686</b>	0	4476
Oil Changed	Client Info	<b>N/A</b>	N/A	Not Changd	
Sample Status		<b>ATTENTION</b>	ATTENTION	ATTENTION	

### WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	0
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	1	0
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>2</b>	1	0
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	7
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

### ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	1	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	730	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>0</b>	<1	4
Calcium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	0	<b>428</b>	440	399
Zinc	ppm	ASTM D5185m	0	<b>4</b>	0	0
Sulfur	ppm	ASTM D5185m	590	<b>696</b>	1132	453

### CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	<b>2</b>	<1	0
Sodium	ppm	ASTM D5185m		<b>2</b>	1	0
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	0

### FLUID DEGRADATION

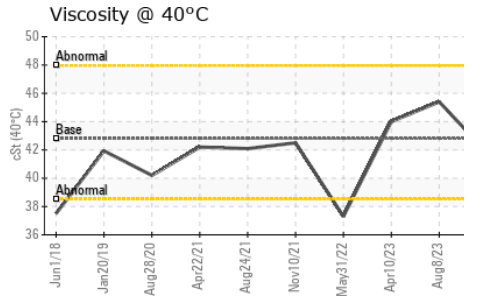
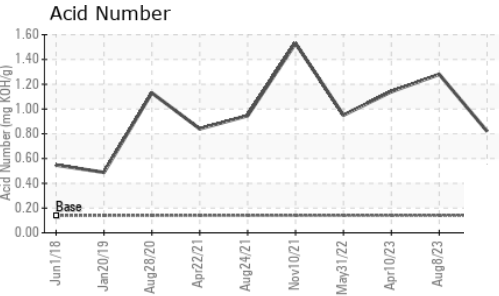
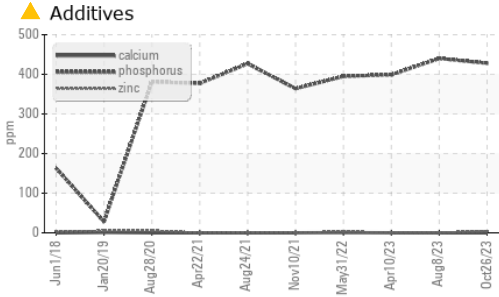
method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	<b>0.82</b>	1.28	1.14

### VISUAL

method	limit/base	current	history1	history2		
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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

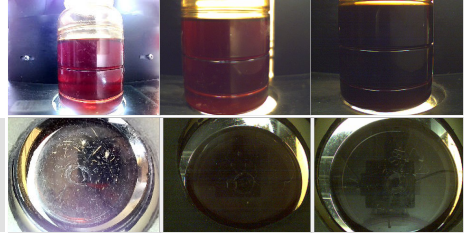


# OIL ANALYSIS REPORT

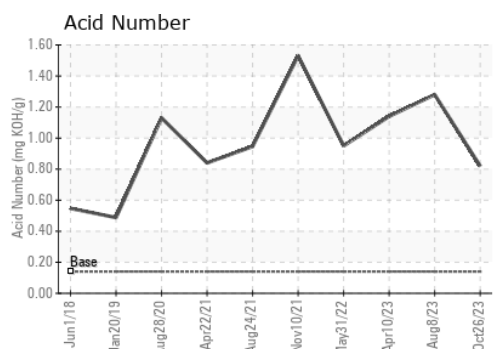
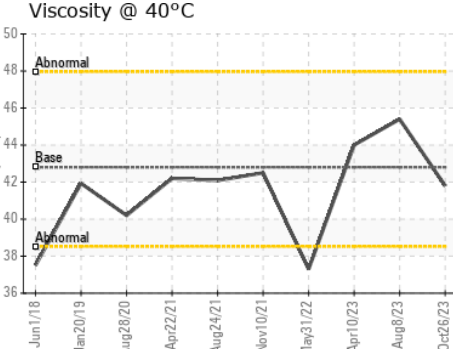
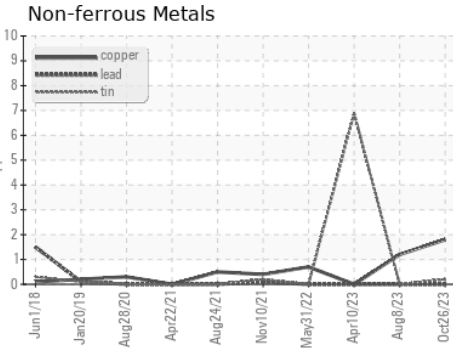
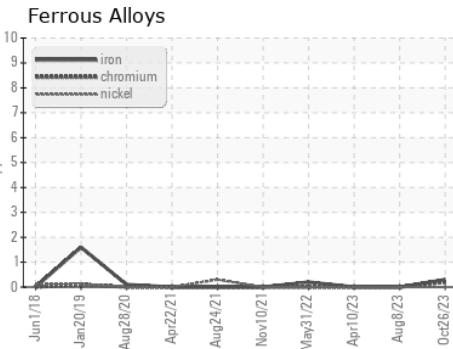


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	42.8	<b>41.8</b>	45.4	44.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05994477 **Received** : 31 Oct 2023  
**Lab Number** : **05994477** **Diagnosed** : 01 Nov 2023  
**Unique Number** : 10722837 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**CLOVERDALE FOODS**  
 3015 34TH ST NW  
 MANDAN, ND  
 US 58554  
 Contact: Jason Hoke  
 jasonh@cloverdalefoods.com  
 T: (701)516-7950  
 F: x:

Certificate L2367  
 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)