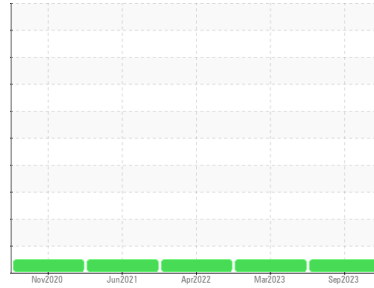




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**CS-46 [2313787]**  
 Machine Id  
**PALATEK 98H019 - TAMAKI RICE**  
 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>UCH05963660</b>	UCH05788612	UCH05532851
Sample Date	Client Info	<b>13 Sep 2023</b>	01 Mar 2023	19 Apr 2022
Machine Age	hrs Client Info	<b>6298</b>	4516	0
Oil Age	hrs Client Info	<b>4000</b>	4516	0
Oil Changed	Client Info	<b>Changed</b>	Not Changd	Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>50	<b>&lt;1</b>	<1	0
Chromium ppm ASTM D5185m	>10	<b>0</b>	0	0
Nickel ppm ASTM D5185m		<b>0</b>	<1	0
Titanium ppm ASTM D5185m		<b>0</b>	0	0
Silver ppm ASTM D5185m		<b>0</b>	0	0
Aluminum ppm ASTM D5185m	>25	<b>0</b>	1	<1
Lead ppm ASTM D5185m	>25	<b>0</b>	0	0
Copper ppm ASTM D5185m	>50	<b>0</b>	<1	2
Tin ppm ASTM D5185m	>15	<b>0</b>	0	0
Antimony ppm ASTM D5185m		<b>---</b>	---	---
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	1.5	<b>0</b>	0	0
Barium ppm ASTM D5185m	0	<b>2</b>	0	0
Molybdenum ppm ASTM D5185m	0	<b>0</b>	0	0
Manganese ppm ASTM D5185m	0.3	<b>0</b>	0	0
Magnesium ppm ASTM D5185m	0	<b>0</b>	0	0
Calcium ppm ASTM D5185m	0	<b>0</b>	0	0
Phosphorus ppm ASTM D5185m	406	<b>245</b>	240	368
Zinc ppm ASTM D5185m	0	<b>1</b>	5	31
Sulfur ppm ASTM D5185m	1283	<b>634</b>	895	456

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	<b>0</b>	<1	<1
Sodium ppm ASTM D5185m		<b>0</b>	0	14
Potassium ppm ASTM D5185m	>20	<b>0</b>	<1	0

## FLUID DEGRADATION

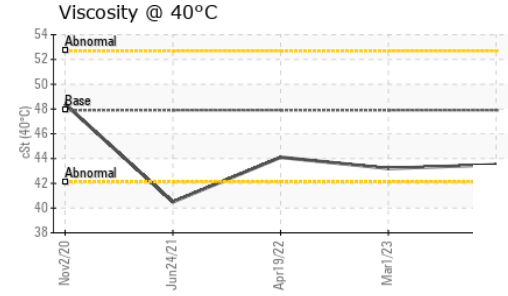
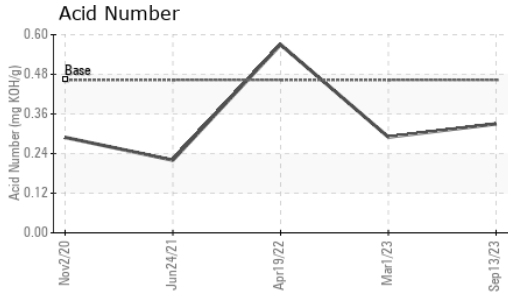
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.463	<b>0.33</b>	0.29	0.57

## 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	MODER
Debris scalar *Visual	NONE	<b>LIGHT</b>	LIGHT	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>	ARR FOR KOVICH -	UCCISSAC

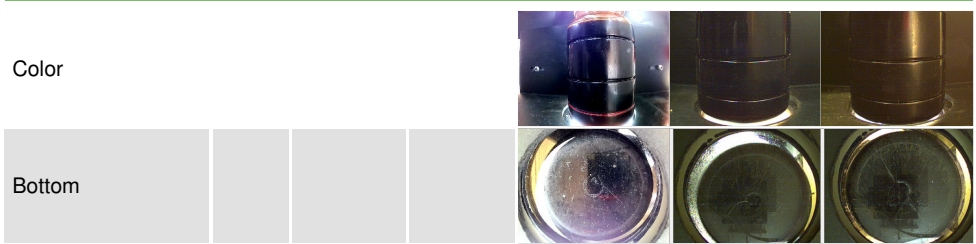


# OIL ANALYSIS REPORT

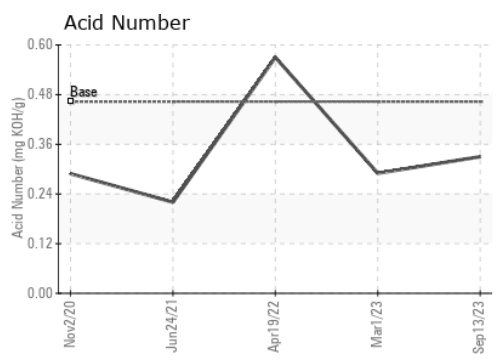
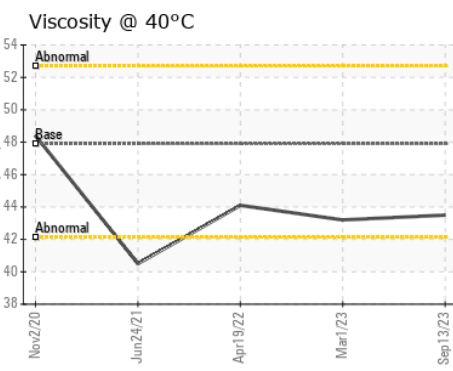
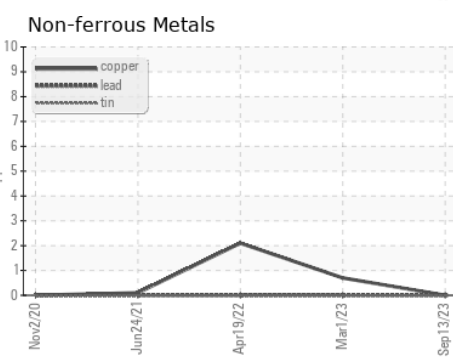
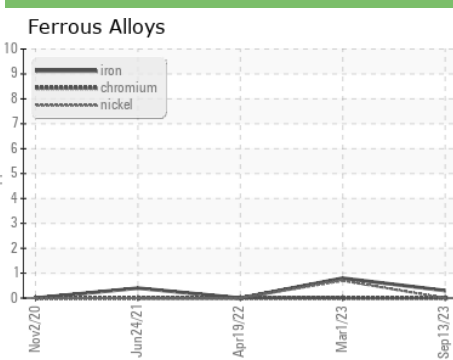


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	47.9	<b>43.5</b>	43.2	44.1

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05963660 **Received** : 28 Sep 2023  
**Lab Number** : **05963660** **Diagnosed** : 29 Sep 2023  
**Unique Number** : 10670211 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**CISCO AIR SYSTEMS**  
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 US 95816  
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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)