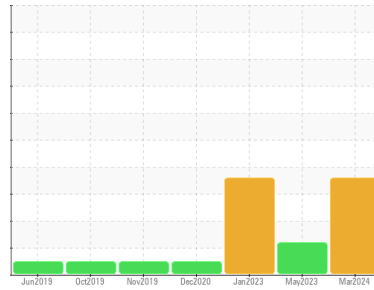




# PROBLEM SUMMARY

Area  
**FG32 FOOD GRADE [185537]**  
 Machine Id  
**SULLIVAN PALATEK 1806050006 - TAYLOR FARMS HANSEN**  
 Component  
**Compressor**

Sample Rating Trend

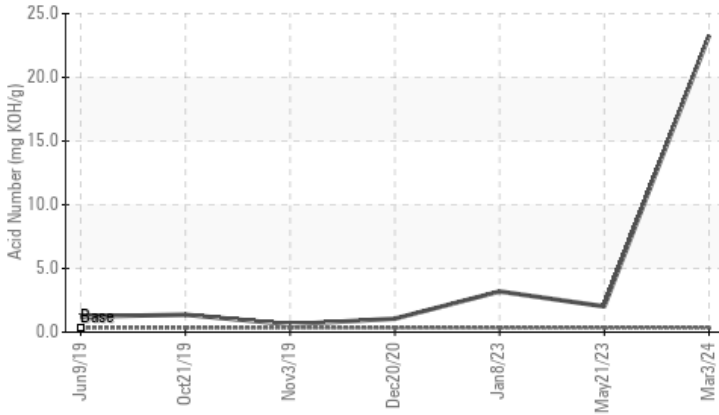


DEGRADATION

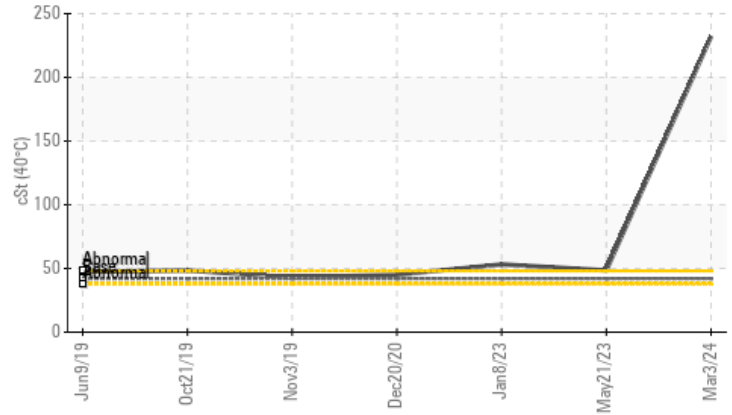


## COMPONENT CONDITION SUMMARY

▲ Acid Number



▲ Viscosity @ 40°C



## RECOMMENDATION

We advise that you check for a possible overheat condition. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status		SEVERE	ATTENTION	SEVERE
Acid Number (AN)	mg KOH/g ASTM D8045 0.337	▲ 23.28	● 2.02	▲ 3.194
Visc @ 40°C	cSt ASTM D445 42.0	▲ 232	● 48.5	▲ 53.2

Customer Id: UCCOMSTO  
 Sample No.: UCH06159256  
 Lab Number: 06159256  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

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

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check For Overheating	---	---	?	We advise that you check for a possible overheat condition.

## HISTORICAL DIAGNOSIS

### DEGRADATION



#### 21 May 2023 Diag: Jonathan Hester

The oil is near the end of its useful service life, recommend schedule an oil change. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is at the top-end of the recommended limit.

[view report](#)



### DEGRADATION



#### 08 Jan 2023 Diag: Jonathan Hester

We advise that you check for a possible overheat condition. Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish.

[view report](#)



### NORMAL



#### 20 Dec 2020 Diag: Jonathan Hester

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

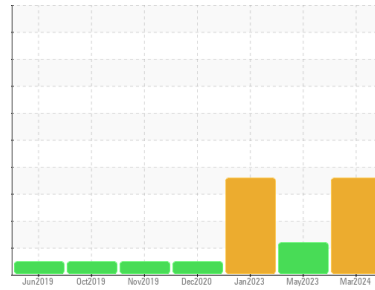
[view report](#)





# OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Area

## FG32 FOOD GRADE [185537]

### SULLIVAN PALATEK 1806050006 - TAYLOR FARMS HANSEN

Machine Id

Component

Compressor

#### DIAGNOSIS

##### ▲ Recommendation

We advise that you check for a possible overheat condition. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

##### Wear

All component wear rates are normal.

##### Contamination

There is no indication of any contamination in the oil.

##### ▲ Fluid Condition

The AN level is well above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

#### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCH06159256</b>	UCS05859387	UCS06107474
Sample Date	Client Info		<b>03 Mar 2024</b>	21 May 2023	08 Jan 2023
Machine Age	hrs	Client Info	<b>25602</b>	20684	18641
Oil Age	hrs	Client Info	<b>0</b>	0	4000
Oil Changed	Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status			<b>SEVERE</b>	ATTENTION	SEVERE

#### 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>&lt;1</b>	0	0
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
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>2</b>	0	<1
Lead	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>3</b>	<1	2
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	0
Antimony	ppm	ASTM D5185m	<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

#### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1	<b>&lt;1</b>	0	0
Barium	ppm	ASTM D5185m 0.3	<b>4</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 0	<b>2</b>	0	<1
Calcium	ppm	ASTM D5185m 0.5	<b>4</b>	0	0
Phosphorus	ppm	ASTM D5185m 536	<b>152</b>	340	286
Zinc	ppm	ASTM D5185m 0.2	<b>6</b>	0	0
Sulfur	ppm	ASTM D5185m 649	<b>190</b>	800	421

#### CONTAMINANTS

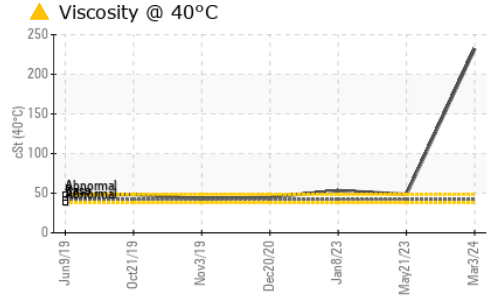
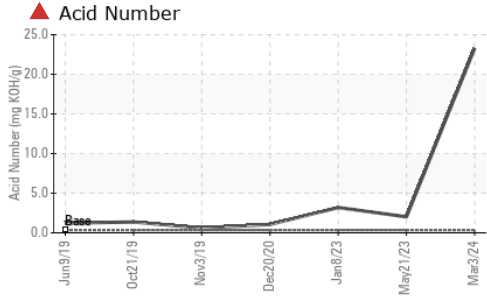
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	0
Sodium	ppm	ASTM D5185m	<b>3</b>	<1	<1
Potassium	ppm	ASTM D5185m >20	<b>1</b>	1	0

#### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.337	<b>▲ 23.28</b>	● 2.02	▲ 3.194



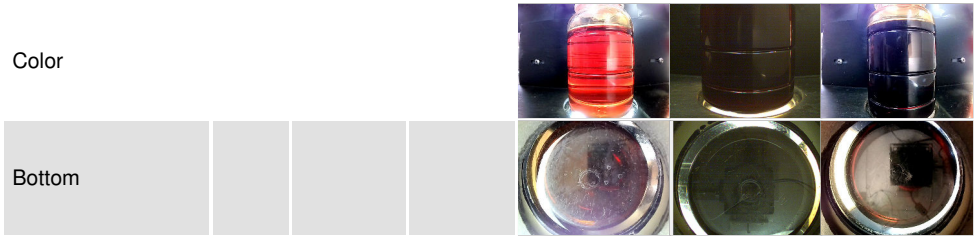
# OIL ANALYSIS REPORT



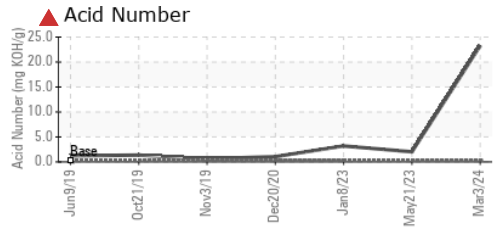
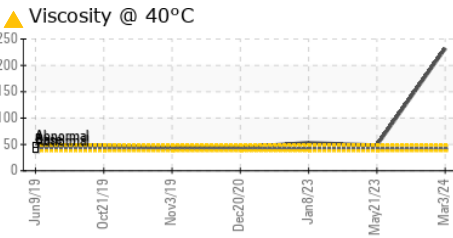
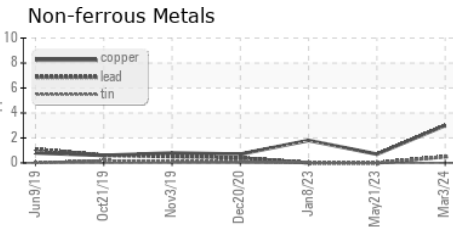
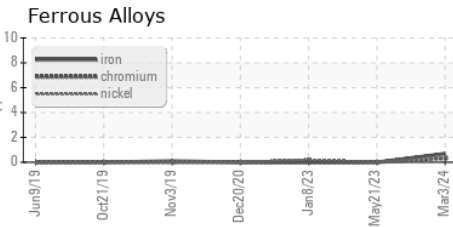
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	42.0 ▲ 232	48.5	▲ 53.2

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.** : UCH06159256      **Received** : 24 Apr 2024  
**Lab Number** : 06159256      **Tested** : 25 Apr 2024  
**Unique Number** : 10994679      **Diagnosed** : 26 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2

**COMPLETE ENGINEERED SOLUTIONS - CES**  
 4772 FRONTIER WAY UNIT 400  
 STOCKTON, CA  
 US 95215  
 Contact: MICHAEL LUDWICK  
 michael@complete-es.net

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)

T:  
F: