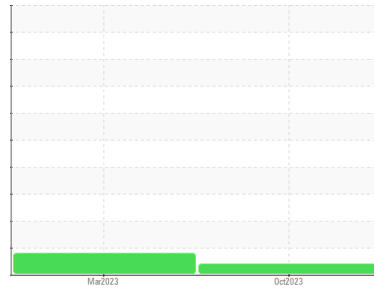


**PROBLEM SUMMARY**

Sample Rating Trend



**ADDITIVES**



Area  
**PALLUBE FG**  
Machine Id  
**PALATEK 21KE002640 - SALM PARTNERS**  
Component  
**Compressor**

**COMPONENT CONDITION SUMMARY**

No relevant graphs to display

**RECOMMENDATION**

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

**PROBLEMATIC TEST RESULTS**

Sample Status				ATTENTION	ATTENTION	---
Barium	ppm	ASTM D5185m	730	▲ 0	▲ 0	---

**Customer Id:** UCVACGRE  
**Sample No.:** UCS05995094  
**Lab Number:** 05995094  
**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

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

**09 Mar 2023 Diag: Doug Bogart**

### ADDITIVES

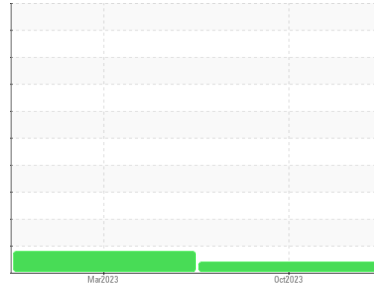


The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level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

view report



Area  
**PALLUBE FG**  
Machine Id  
**PALATEK 21KE002640 - SALM PARTNERS**  
Component  
**Compressor**



**DIAGNOSIS**

**Recommendation**

The oil change at the time of sampling has been noted. 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>UCS05995094</b>	UCS05797634	---
Sample Date	Client Info		<b>24 Oct 2023</b>	09 Mar 2023	---
Machine Age	hrs	Client Info	<b>9100</b>	4760	---
Oil Age	hrs	Client Info	<b>4340</b>	4760	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>ATTENTION</b>	ATTENTION	---

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>&lt;1</b>	4	---
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185m >15	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1	<b>0</b>	0	---
Barium	ppm	ASTM D5185m 730	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m 0.0	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m 0	<b>0</b>	0	---
Calcium	ppm	ASTM D5185m 0	<b>0</b>	0	---
Phosphorus	ppm	ASTM D5185m 0	<b>227</b>	272	---
Zinc	ppm	ASTM D5185m 0	<b>0</b>	0	---
Sulfur	ppm	ASTM D5185m 590	<b>585</b>	651	---

**CONTAMINANTS**

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

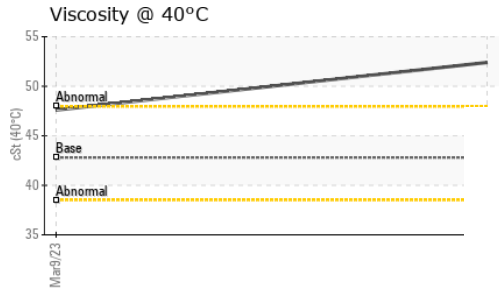
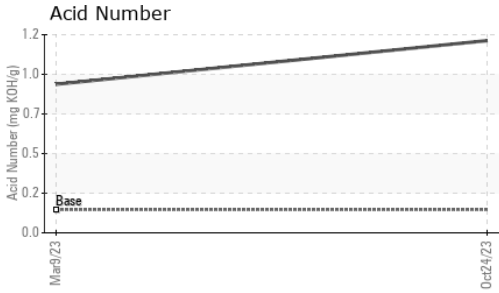
**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.14	<b>1.164</b>	0.90	---

**VISUAL**

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

# OIL ANALYSIS REPORT

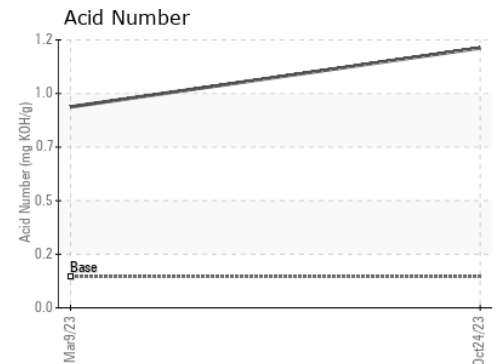
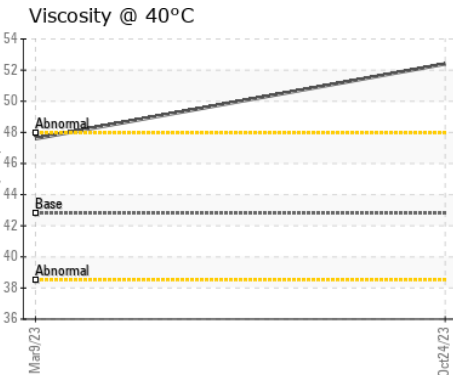
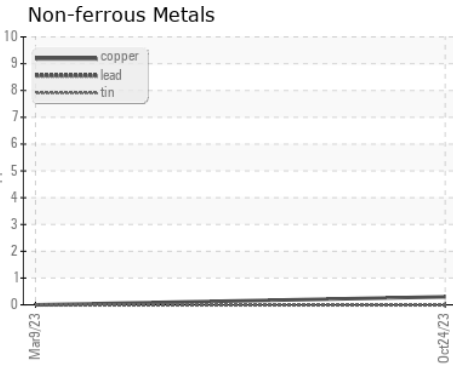
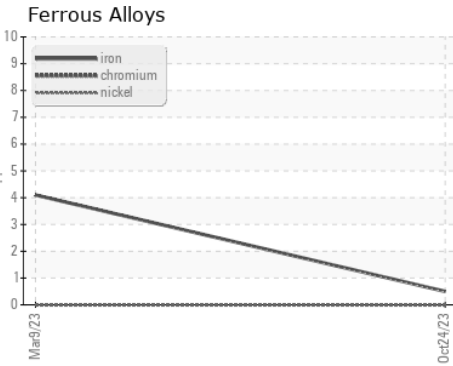


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	42.8	<b>52.4</b>	47.6	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color					no image
Bottom					no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS05995094 **Received** : 31 Oct 2023  
**Lab Number** : 05995094 **Diagnosed** : 08 Nov 2023  
**Unique Number** : 10723454 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

**VACUUM PUMP and COMPRESSOR**  
 1490 GRUBER RD  
 GREEN BAY, WI  
 US 54313  
 Contact: ROBIN  
 robin@vpc-inc.com  
 T: (920)662-1113  
 F: (920)662-1116

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)