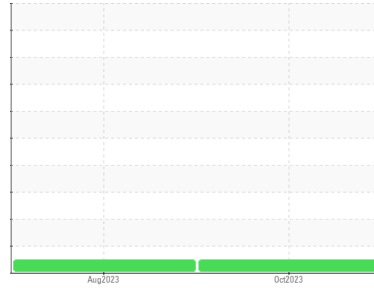


Area  
**PALASYN 45**  
Machine Id  
**SULLIVAN PALATEK 20FE001278 - BOB DAVIDSON FORD**  
Component  
**Compressor**



**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 component.

**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>UCS05995091</b>	UCS05942341	---
Sample Date	Client Info	<b>30 Oct 2023</b>	31 Aug 2023	---
Machine Age	hrs	Client Info	<b>26628</b>	25433
Oil Age	hrs	Client Info	<b>3000</b>	2000
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	---
Sample Status		<b>NORMAL</b>	NORMAL	---

**WEAR METALS** method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	---
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>	0	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	---
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	0.0	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	3	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	0	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m	0.0	<b>0</b>	0	---
Calcium	ppm	ASTM D5185m	0.0	<b>0</b>	<1	---
Phosphorus	ppm	ASTM D5185m	966	<b>631</b>	651	---
Zinc	ppm	ASTM D5185m	0	<b>0</b>	0	---
Sulfur	ppm	ASTM D5185m	1309	<b>542</b>	782	---

**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>25	<b>2</b>	2	---
Sodium	ppm	ASTM D5185m		<b>0</b>	3	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	---

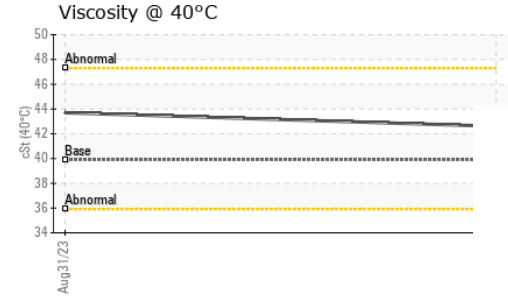
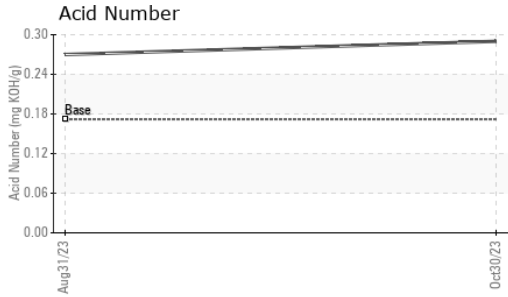
**FLUID DEGRADATION** method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	<b>0.29</b>	0.27	---
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**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>	NONE	---
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

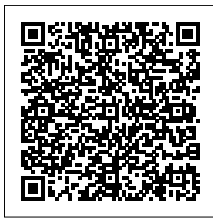
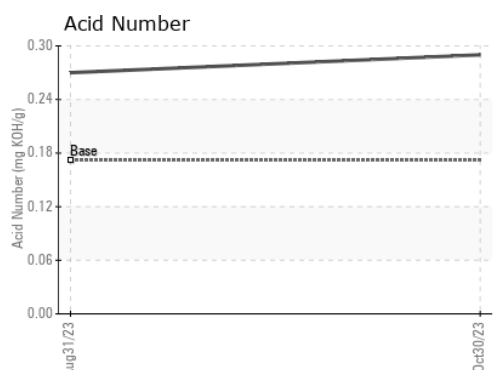
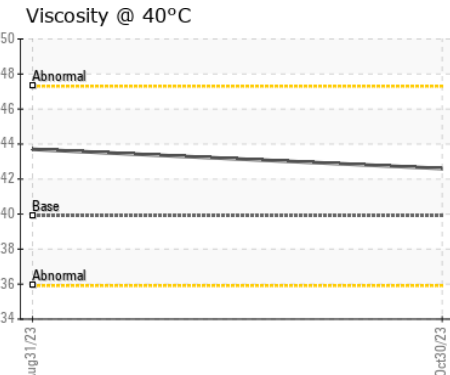
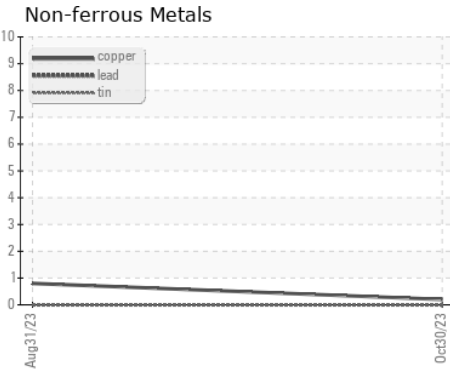
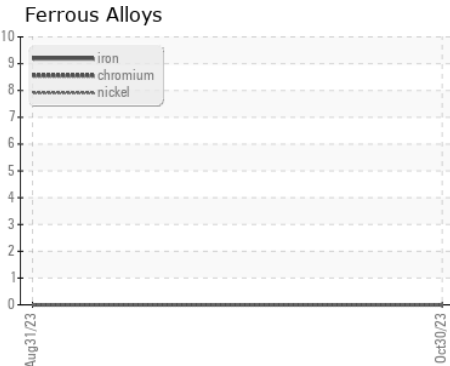


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	39.9	<b>42.6</b>	43.7	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS05995091    **Received** : 31 Oct 2023  
**Lab Number** : 05995091    **Diagnosed** : 01 Nov 2023  
**Unique Number** : 10723451    **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

**AIR COMPRESSOR SERVICES OF MARYLAND**  
 JOPPA, MD  
 US 21085  
 Contact: CHRIS SCHAUM  
 aircompervmd@verizon.net  
 T: (410)633-0900  
 F: (410)633-0901

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)