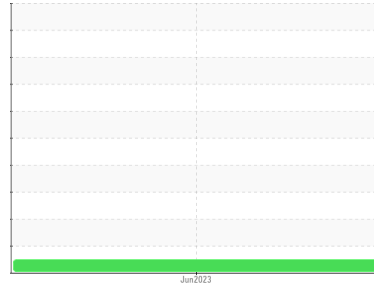


Area  
**NOT GIVEN**  
Machine Id  
**PALATEK 50-UDMBW 1805110006 - 84K100A**  
Component  
**Compressor**



**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>UCS05877578</b>	---	---
Sample Date	Client Info	<b>09 Jun 2023</b>	---	---
Machine Age	hrs	Client Info	<b>25614</b>	---
Oil Age	hrs	Client Info	<b>5500</b>	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

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

Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m	>50	<b>4</b>	---	---
Tin	ppm	ASTM D5185m	>15	<b>2</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

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

Boron	ppm	ASTM D5185m	2	<b>0</b>	---	---
Barium	ppm	ASTM D5185m	525	<b>114</b>	---	---
Molybdenum	ppm	ASTM D5185m	10	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	5	<b>2</b>	---	---
Calcium	ppm	ASTM D5185m	10	<b>2</b>	---	---
Phosphorus	ppm	ASTM D5185m	250	<b>16</b>	---	---
Zinc	ppm	ASTM D5185m	100	<b>0</b>	---	---
Sulfur	ppm	ASTM D5185m	400	<b>471</b>	---	---

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

Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---	---
Sodium	ppm	ASTM D5185m		<b>63</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	---	---

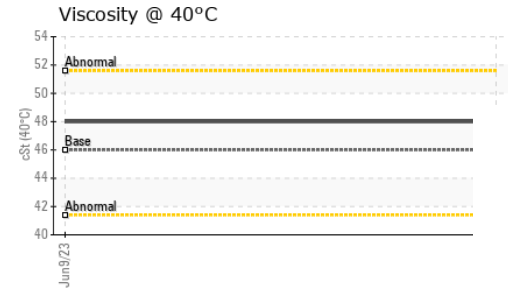
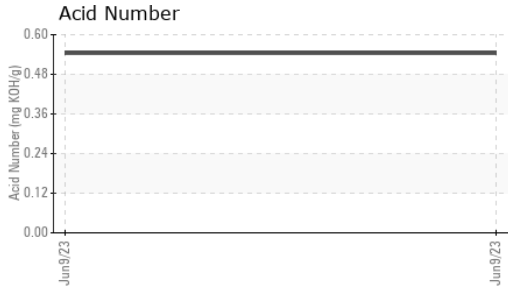
**FLUID DEGRADATION** method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.544</b>	---	---
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**VISUAL** method limit/base current history1 history2

White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.8	<b>NEG</b>	---	---
Free Water	scalar	*Visual		<b>NEG</b>	---	---

# OIL ANALYSIS REPORT

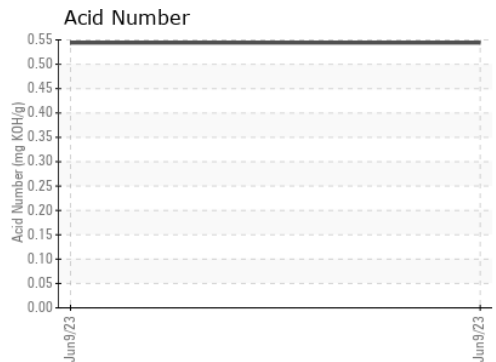
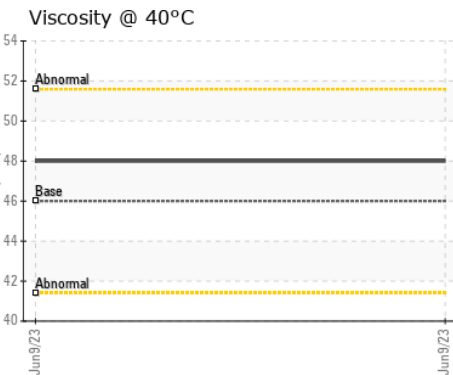
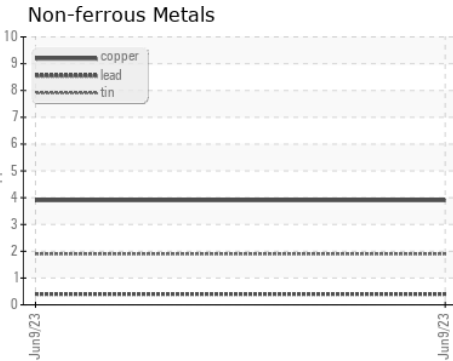
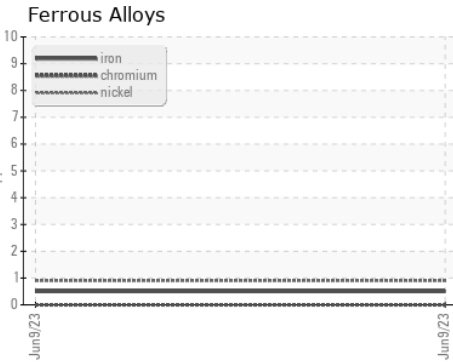


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	<b>48.0</b>	---	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS05877578 **Received** : 19 Jun 2023  
**Lab Number** : **05877578** **Diagnosed** : 21 Jun 2023  
**Unique Number** : 10522681 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

**LANZATECH FREEDOM PINES**  
 535 COMMERCE DR  
 SOPERTON, GA  
 US 30457

Contact: DAVID HUTCHESON  
 david.hutcheson@freedompines.com  
 T: (478)595-1423

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)

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