



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**PALEXTRA 44**  
Machine Id  
**PALATEK 1401270002 - SWHEAT SCOOP**  
Component  
**Compressor**

### RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UCS06088922</b>	UCS05821622	UCS05559681
Sample Date		Client Info		<b>25 Jan 2024</b>	06 Apr 2023	26 May 2022
Machine Age	hrs	Client Info		<b>34575</b>	32663	0
Oil Age	hrs	Client Info		<b>1359</b>	2000	200
Filter Age	hrs	Client Info		<b>1359</b>	2000	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ATTENTION

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>5</b>	2	0
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	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>	0	0
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Tin	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

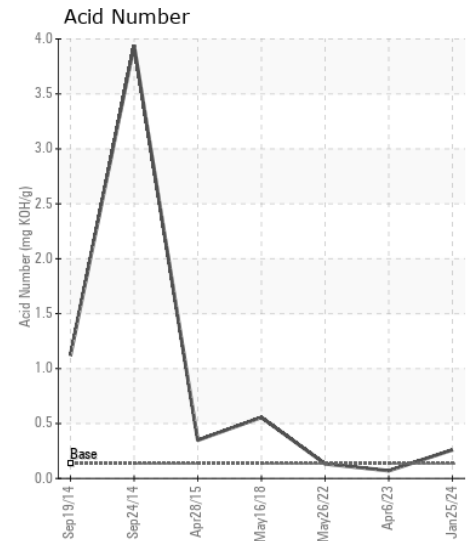
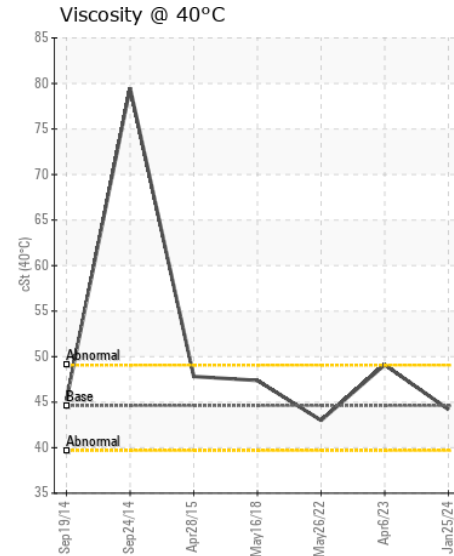
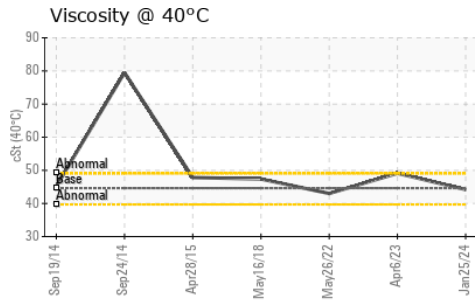
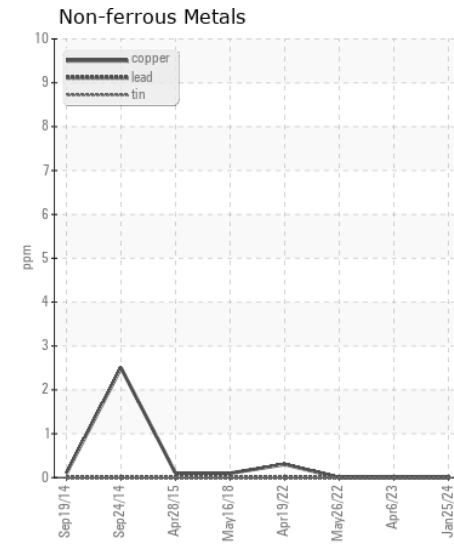
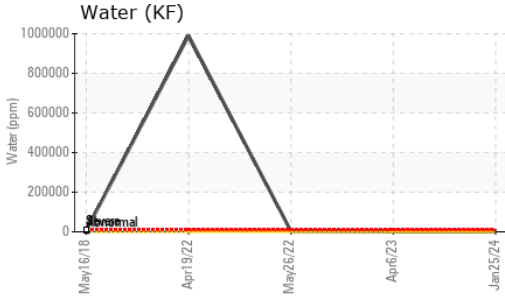
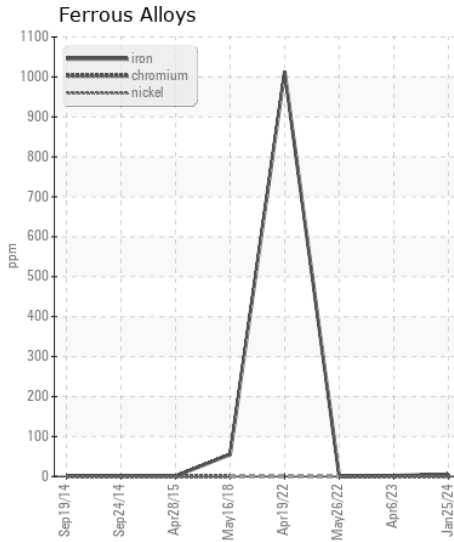
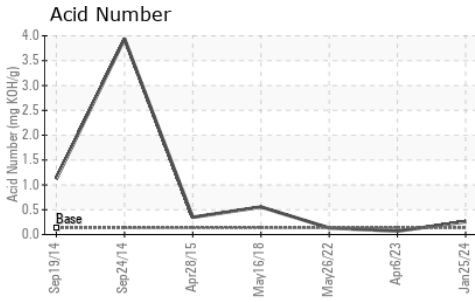
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Chlorine	ppm	ASTM D5185m		<b>---</b>	---	---
Water	%	ASTM D6304	>0.1	<b>0.079</b>	0.049	<b>▲ 0.289</b>
ppm Water	ppm	ASTM D6304	>1000	<b>790</b>	490	<b>▲ 2890</b>
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>MODER</b>	MODER	MODER
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>0.2%</b>	0.2%	0.2%

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0.3	<b>0</b>	0	5
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m	0.3	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m	0.4	<b>0</b>	2	0
Calcium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	689	<b>146</b>	38	319
Zinc	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Sulfur	ppm	ASTM D5185m	1237	<b>810</b>	312	1121
Acid Number (AN)	mg KOH/g	ASTM D8045	0.135	<b>0.26</b>	0.07	0.133
Visc @ 40°C	cSt	ASTM D445	44.62	<b>44.2</b>	49.1	43.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06088922 **Received** : 14 Feb 2024  
**Lab Number** : 06088922 **Tested** : 15 Feb 2024  
**Unique Number** : 10876367 **Diagnosed** : 15 Feb 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

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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