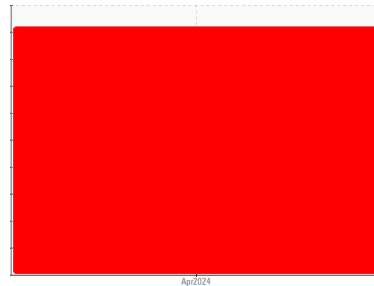


PROBLEM SUMMARY

Sample Rating Trend



WEAR



Area

NOT GIVEN

Machine Id

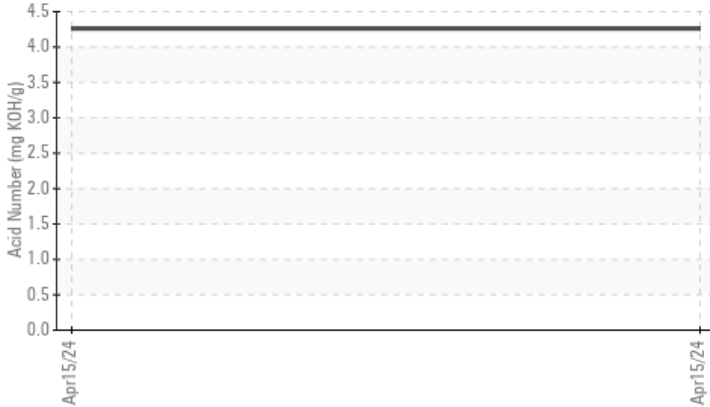
SULLIVAN PALATEK 01L024 - ETA PRODUCT

Component

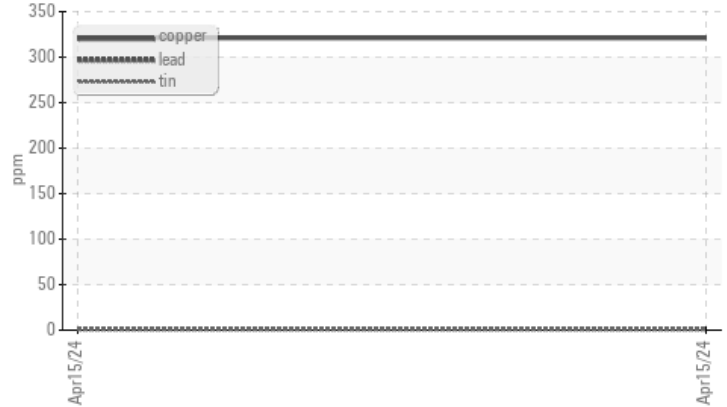
Compressor

COMPONENT CONDITION SUMMARY

▲ Acid Number



▲ Non-ferrous Metals



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Copper	ppm	ASTM D5185m	>50	▲ 321	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		▲ 4.26	---	---

Customer Id: UCAPPLAK
 Sample No.: UCS06153804
 Lab Number: 06153804
 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

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
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.

HISTORICAL DIAGNOSIS

Area

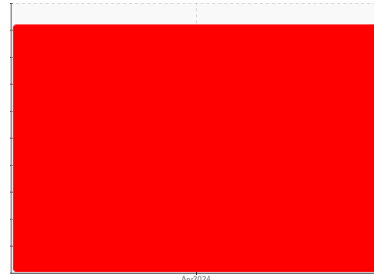
NOT GIVEN

Machine Id

SULLIVAN PALATEK 01L024 - ETA PRODUCT

Component

Compressor



DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

▲ Wear

The copper level is severe.

Contamination

There is no indication of any contamination in the oil.

▲ Fluid Condition

The AN level is above the recommended limit. 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	UCS06153804	---	---
Sample Date	Client Info	15 Apr 2024	---	---
Machine Age	hrs	Client Info	29483	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	Changed	---	---
Sample Status		SEVERE	---	---

CONTAMINATION method limit/base current history1 history2

Water	WC Method	>0.1	NEG	---	---
-------	-----------	------	-----	-----	-----

WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>50	24	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m		<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	2	---	---
Lead	ppm	ASTM D5185m	>25	1	---	---
Copper	ppm	ASTM D5185m	>50	▲ 321	---	---
Tin	ppm	ASTM D5185m	>15	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
Cadmium	ppm	ASTM D5185m		<1	---	---

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		1	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		3	---	---
Calcium	ppm	ASTM D5185m		6	---	---
Phosphorus	ppm	ASTM D5185m		311	---	---
Zinc	ppm	ASTM D5185m		235	---	---
Sulfur	ppm	ASTM D5185m		99	---	---

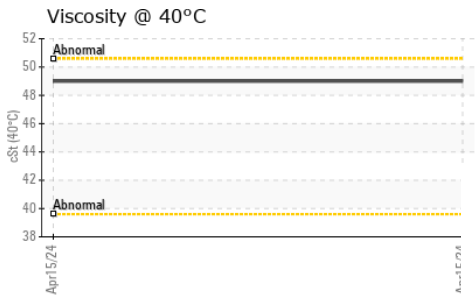
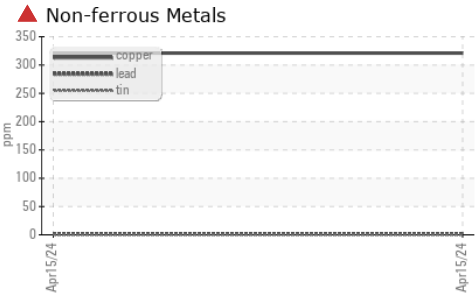
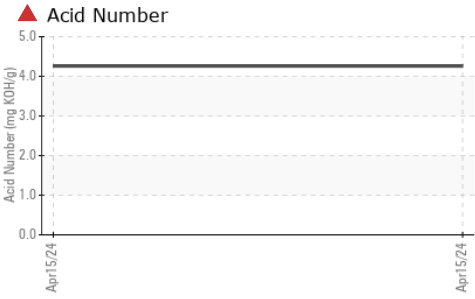
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>25	3	---	---
Sodium	ppm	ASTM D5185m		11	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045		▲ 4.26	---	---
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OIL ANALYSIS REPORT



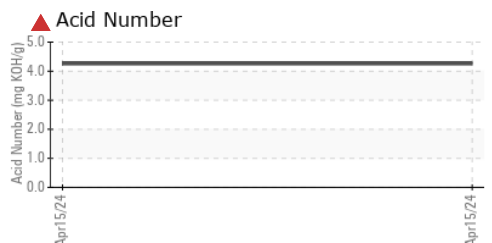
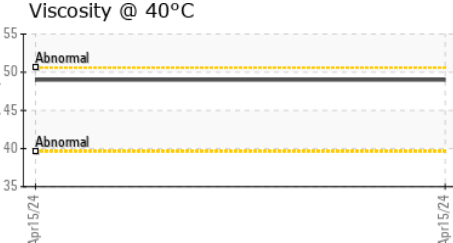
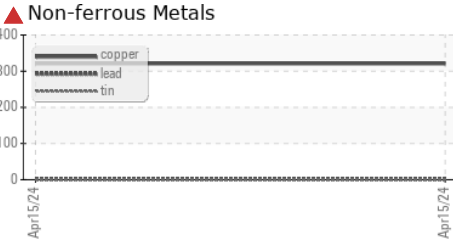
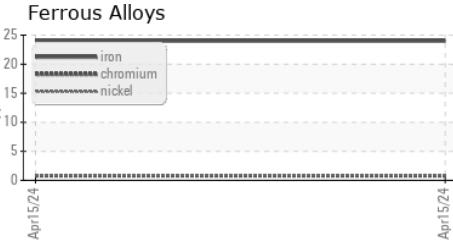
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	49.0	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS06153804 **Received** : 18 Apr 2024
Lab Number : **06153804** **Tested** : 19 Apr 2024
Unique Number : 10989227 **Diagnosed** : 23 Apr 2024 - Jonathan Hester
Test Package : IND 2

APPLIED AIR SYSTEMS
 LAKEVILLE, MN
 US 55044
 Contact: SCOTT HARPER
 sc@appliedairsystems.com
 T: (952)388-3122
 F:

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)