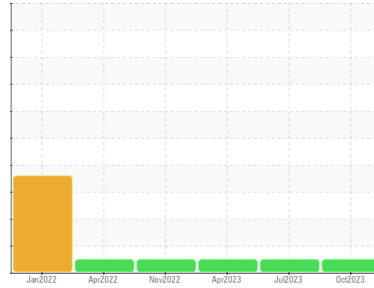


Area  
**SMART OIL**  
Machine Id  
**HERTZ VD008792 - UPS CUSTOMER CENTER**  
Component  
**Compressor**  
Fluid  
**SMARTOIL 6000 (2 GAL)**



**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>UHK05995804</b>	UHK05975883	UHK05885685
Sample Date	Client Info		<b>09 Oct 2023</b>	06 Jul 2023	25 Apr 2023
Machine Age	hrs	Client Info	<b>12856</b>	11271	10257
Oil Age	hrs	Client Info	<b>5737</b>	5570	1416
Oil Changed	Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>0</b>	<1	2
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	2
Nickel	ppm	ASTM D5185m	<b>0</b>	0	2
Titanium	ppm	ASTM D5185m	<b>0</b>	0	2
Silver	ppm	ASTM D5185m	<b>0</b>	0	1
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	0	4
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	5
Copper	ppm	ASTM D5185m >50	<b>2</b>	2	3
Tin	ppm	ASTM D5185m >15	<b>0</b>	<1	2
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	2

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>0</b>	0	8
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	2
Manganese	ppm	ASTM D5185m	<b>0</b>	0	2
Magnesium	ppm	ASTM D5185m	<b>0</b>	0	9
Calcium	ppm	ASTM D5185m 20	<b>0</b>	0	<1
Phosphorus	ppm	ASTM D5185m	<b>457</b>	531	463
Zinc	ppm	ASTM D5185m	<b>38</b>	0	10
Sulfur	ppm	ASTM D5185m	<b>763</b>	975	1066

**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>1</b>	1	2
Sodium	ppm	ASTM D5185m	<b>2</b>	0	2
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	7

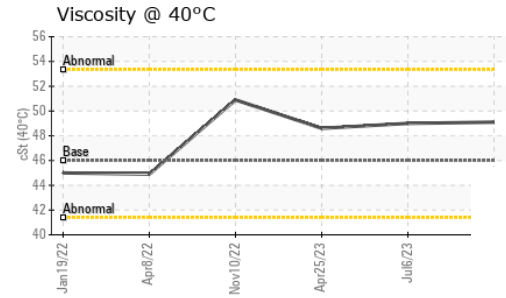
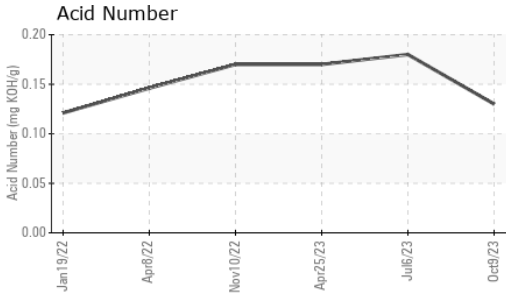
**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.13</b>	0.18	0.17

**VISUAL**

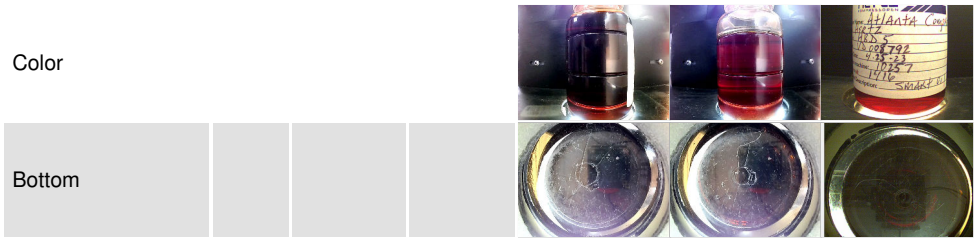
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>LIGHT</b>	HEAVY	LIGHT
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>NEG</b>	NEG	0.2%
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

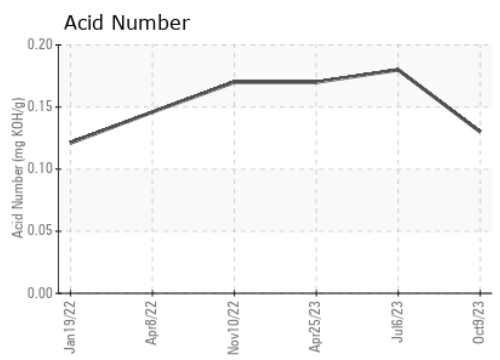
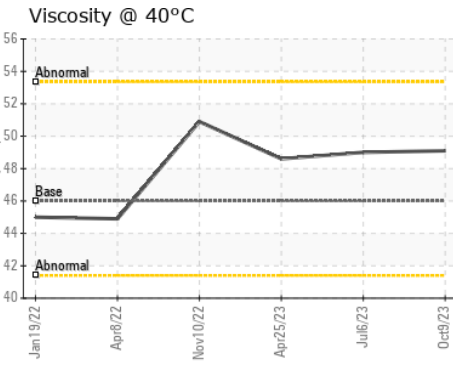
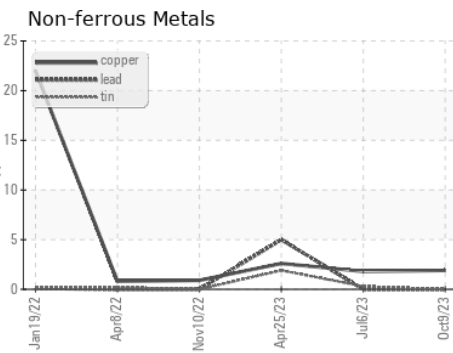
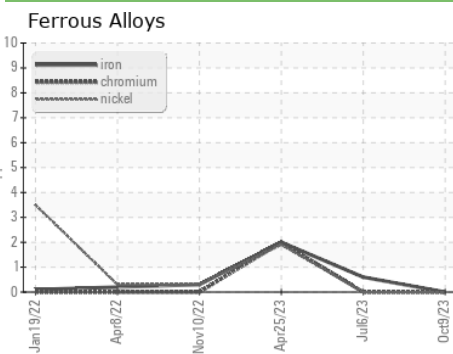


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	<b>49.1</b>	49.0	48.6

SAMPLE IMAGES		method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UHK05995804  
**Lab Number** : 05995804  
**Unique Number** : 10724164  
**Test Package** : IND 2

**ATLANTA AIR COMPRESSOR - HERTZ**  
 123 MERCHANTS PARK DR  
 HOSCHTON, GA  
 US 30548  
 Contact: Service Manager

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)

T:  
F: