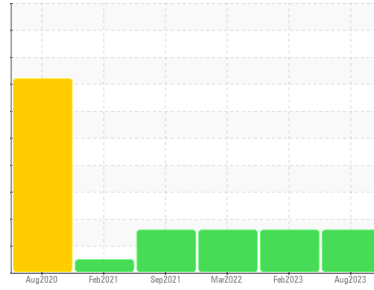


# PROBLEM SUMMARY

Area  
**SMART OIL 6000**  
Machine Id  
**HERTZ VD003981 - C&C CONCRETE**  
Component  
**Compressor**  
Fluid  
**SMARTOIL 6000 (4 GAL)**

Sample Rating Trend



**WATER**



## COMPONENT CONDITION SUMMARY

No relevant graphs to display

## RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	ATTENTION	ATTENTION
Free Water	scalar	*Visual	▲ 1.0	▲ 1.0	▲ 1.0

**Customer Id:** UCPROAND  
**Sample No.:** UHK05962336  
**Lab Number:** 05962336  
**Test Package:** IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

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

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

### 22 Feb 2023 Diag: Don Baldrige

WATER



We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor. All component wear rates are normal. Free water present. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 22 Mar 2022 Diag: Jonathan Hester

WATER



We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor. All component wear rates are normal. Free water present. There is a trace of moisture present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 20 Sep 2021 Diag: Jonathan Hester

WATER

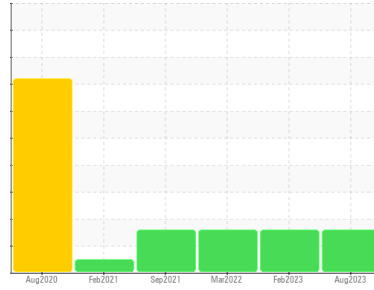


We advise that you follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



Area  
**SMART OIL 6000**  
 Machine Id  
**HERTZ VD003981 - C&C CONCRETE**  
 Component  
**Compressor**  
 Fluid  
**SMARTOIL 6000 (4 GAL)**



**DIAGNOSIS**

**Recommendation**  
 The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 Free water present.

**Fluid Condition**  
 The AN level is acceptable for this fluid.

**SAMPLE INFORMATION**

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>UHK05962336</b>	UHK05774934	UCH05512109
Sample Date	Client Info	<b>02 Aug 2023</b>	22 Feb 2023	22 Mar 2022
Machine Age	hrs	<b>8454</b>	0	4800
Oil Age	hrs	<b>1256</b>	0	4800
Oil Changed	Client Info	<b>Changed</b>	N/A	Not Changd
Sample Status		<b>ATTENTION</b>	ATTENTION	ATTENTION

**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	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>1</b>	0	0
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >50	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	2
Antimony	ppm	ASTM D5185m	<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

**ADDITIVES**

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m	<b>0</b>	0	1
Calcium	ppm	ASTM D5185m 20	<b>0</b>	0	5
Phosphorus	ppm	ASTM D5185m	<b>402</b>	348	111
Zinc	ppm	ASTM D5185m	<b>0</b>	<1	27
Sulfur	ppm	ASTM D5185m	<b>660</b>	738	179

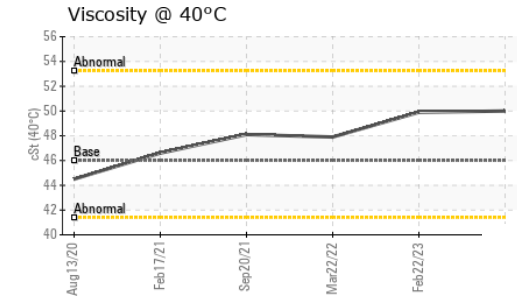
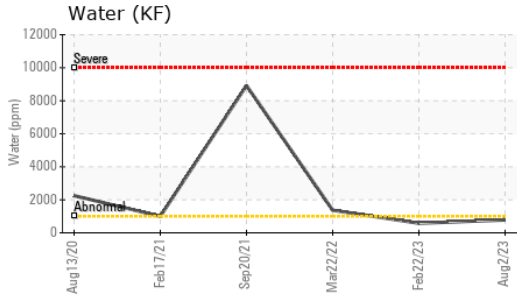
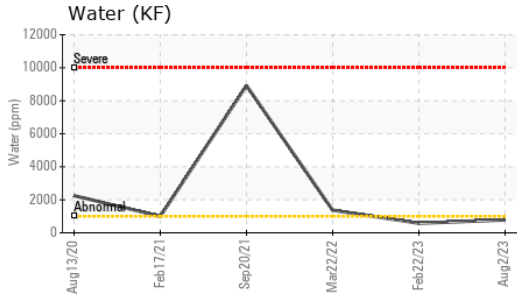
**CONTAMINANTS**

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	1	4
Sodium	ppm	ASTM D5185m	<b>0</b>	0	3
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	1
Water	%	ASTM D6304 >0.1	<b>0.078</b>	0.058	0.137
ppm Water	ppm	ASTM D6304 >1000	<b>780</b>	580	1370

**FLUID DEGRADATION**

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.17</b>	0.13	0.20

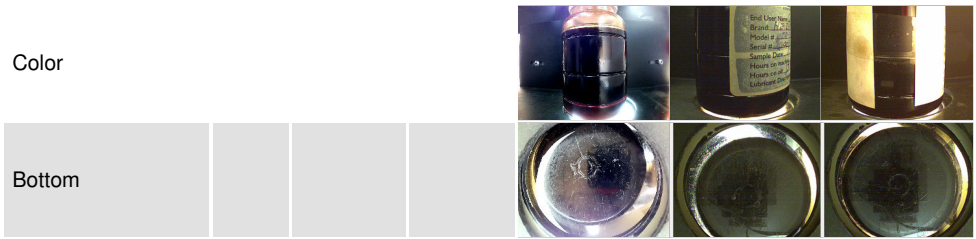
# OIL ANALYSIS REPORT



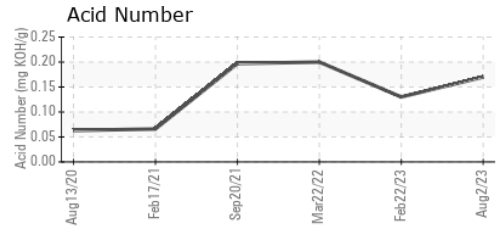
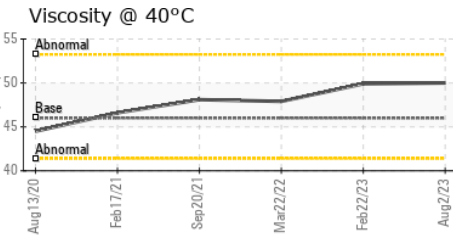
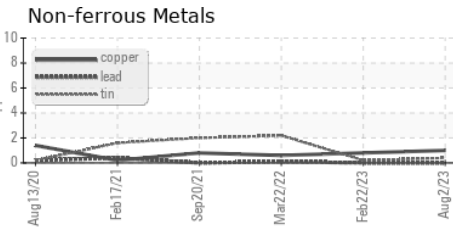
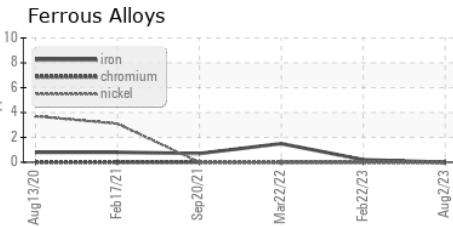
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	MODER	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	0.2%
Free Water	scalar	*Visual	▲ 1.0	▲ 1.0	▲ 1.0

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	50.0	49.9	47.9

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UHK05962336 **Received** : 27 Sep 2023  
**Lab Number** : 05962336 **Diagnosed** : 28 Sep 2023  
**Unique Number** : 10668887 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

**PROFESSIONAL COMPRESSED AIR**  
 3364 ANDERSONVILLE HWY  
 ANDERSONVILLE, TN  
 US 37705  
 Contact: Service Manager  
 dabpcas@comcast.net  
 T: (865)494-0371  
 F: (865)494-0373

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)