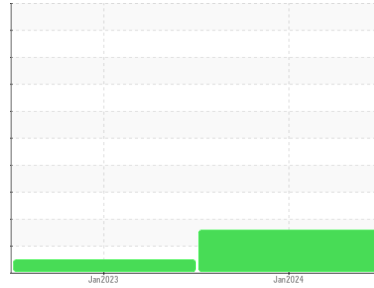


Area  
**SMART OIL 6000**  
Machine Id  
**HERTZ VD008592**  
Component  
**Compressor**  
Fluid  
**SMARTOIL 6000 (--- GAL)**



**DIAGNOSIS**

**▲ Recommendation**  
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.

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

**▲ Contamination**  
Moderate concentration of visible dirt/debris present in the oil. Excessive 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>UHK06074844</b>	UHK05755043	---
Sample Date	Client Info	<b>05 Jan 2024</b>	23 Jan 2023	---
Machine Age	hrs	Client Info	<b>1874</b>	1512
Oil Age	hrs	Client Info	<b>400</b>	1512
Oil Changed	Client Info	<b>Not Changed</b>	Changed	---
Sample Status		<b>ATTENTION</b>	NORMAL	---

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

Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	5	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>50	<b>1</b>	10	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

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

Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Calcium	ppm	ASTM D5185m	20	<b>&lt;1</b>	9	---
Phosphorus	ppm	ASTM D5185m		<b>413</b>	82	---
Zinc	ppm	ASTM D5185m		<b>4</b>	44	---
Sulfur	ppm	ASTM D5185m		<b>1095</b>	12	---

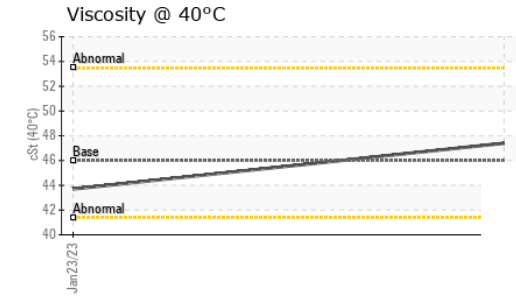
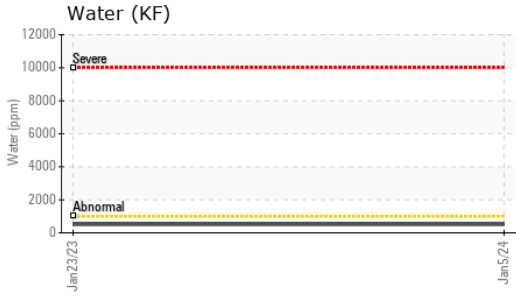
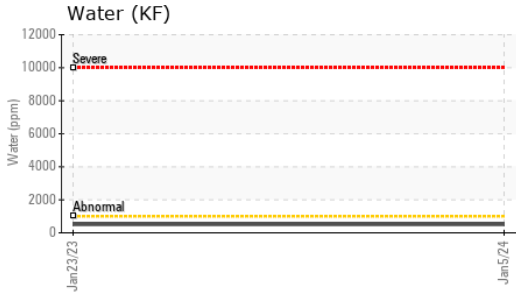
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	20	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Water	%	ASTM D6304	>0.1	<b>0.051</b>	0.051	---
ppm Water	ppm	ASTM D6304	>1000	<b>510</b>	510	---

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

Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.09</b>	0.06	---
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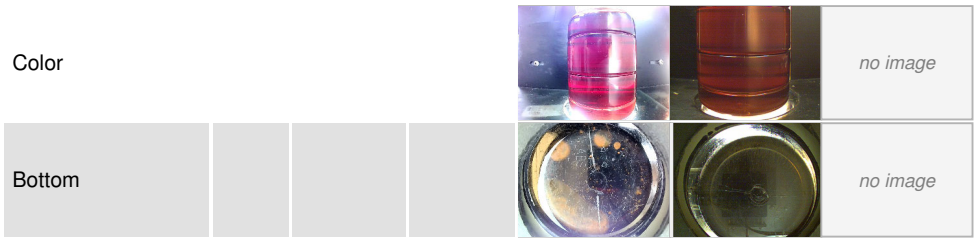
# OIL ANALYSIS REPORT



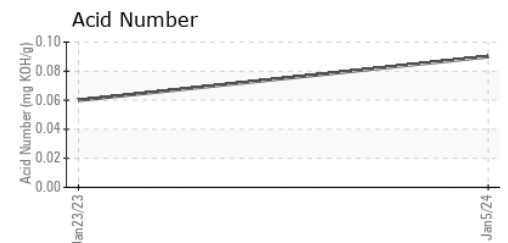
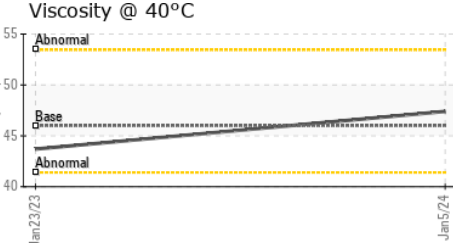
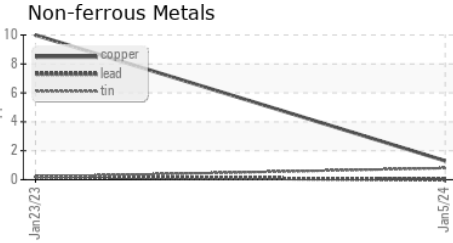
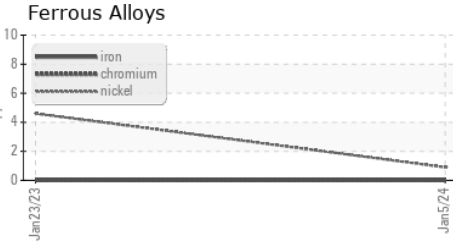
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>MODER</b>	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>0.2%</b>	0.2%	---
Free Water	scalar	*Visual		<b>▲ 10.0</b>	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	<b>47.4</b>	43.7	---

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UHK06074844 **Recieved** : 30 Jan 2024  
**Lab Number** : **06074844** **Diagnosed** : 01 Feb 2024  
**Unique Number** : 10856935 **Diagnostician** : 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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