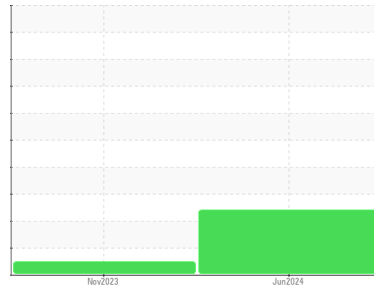


Area  
**SMART OIL 6000**  
Machine Id  
**HERTZ VD028121 - KERR CABINETS**  
Component  
**Compressor**

Sample Rating Trend



**WATER**



**DIAGNOSIS**

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>UHK06208292</b>	UHK06037934	---
Sample Date	Client Info			<b>11 Jun 2024</b>	21 Nov 2023	---
Machine Age	hrs	Client Info		<b>0</b>	2010	---
Oil Age	hrs	Client Info		<b>0</b>	2010	---
Oil Changed	Client Info			<b>N/A</b>	Changed	---
Sample Status				<b>ATTENTION</b>	NORMAL	---

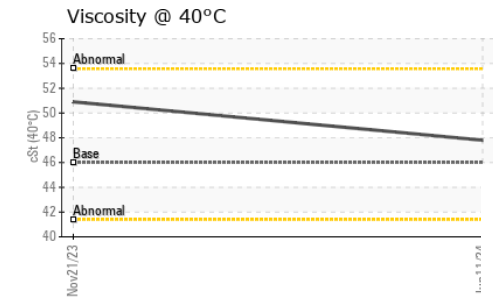
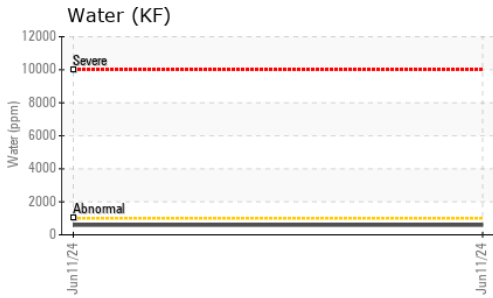
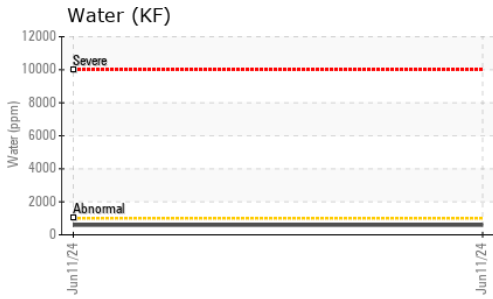
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>2</b>	6	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	2	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>50	<b>2</b>	<1	---
Tin	ppm	ASTM D5185m	>15	<b>3</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	2	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	<1	---
Calcium	ppm	ASTM D5185m	20	<b>0</b>	<1	---
Phosphorus	ppm	ASTM D5185m		<b>415</b>	53	---
Zinc	ppm	ASTM D5185m		<b>0</b>	8	---
Sulfur	ppm	ASTM D5185m		<b>1041</b>	280	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	3	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Water	%	ASTM D6304	>0.1	<b>0.059</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	<b>590</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.16</b>	0.15	---

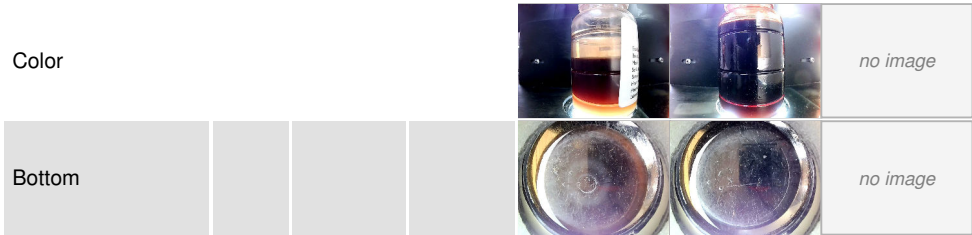
# OIL ANALYSIS REPORT



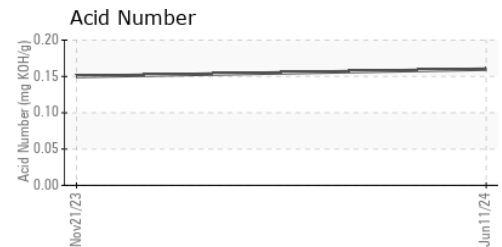
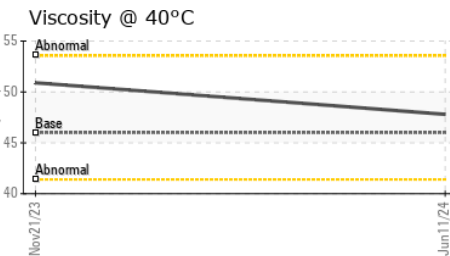
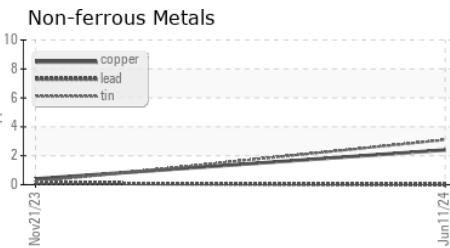
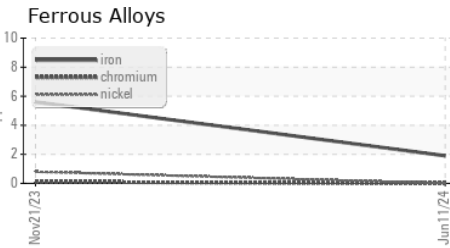
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	47.8	50.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UHK06208292      **Received** : 12 Jun 2024  
**Lab Number** : 06208292      **Tested** : 14 Jun 2024  
**Unique Number** : 11075753      **Diagnosed** : 14 Jun 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

**E & S COMPRESSOR**  
 GREENBRIER, AR  
 US 72058  
 Contact: JONATHAN GOODMAN  
 JONATHAN@ESAIRCOMPRESSOR.COM

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)