



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area  
**SYN 5**  
Machine Id  
**KAESER 1147**  
Component  
**Compressor**

## RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We recommend you service the filters on this component. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

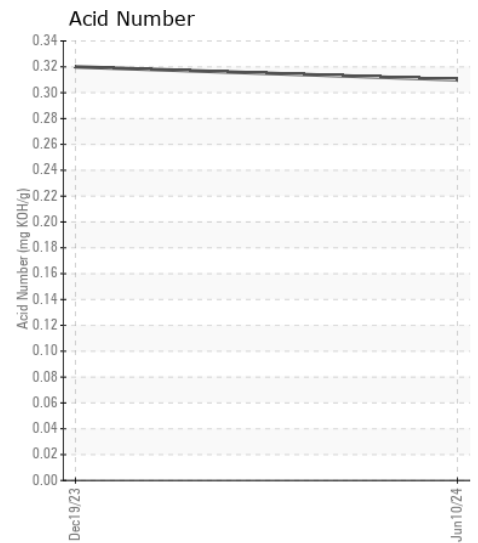
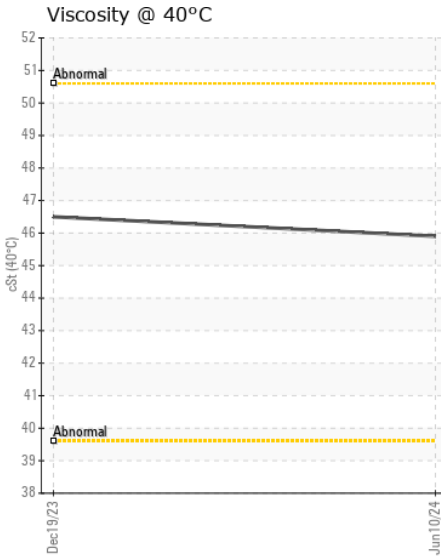
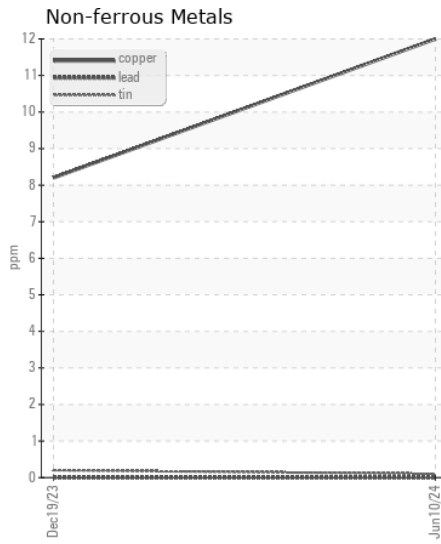
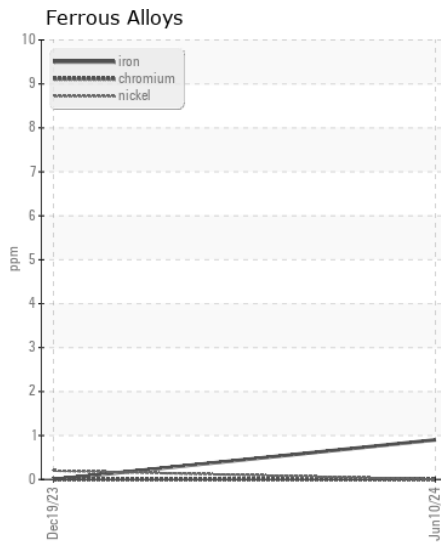
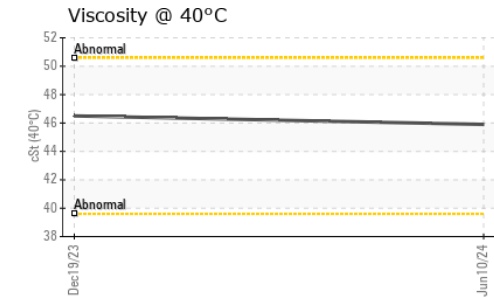
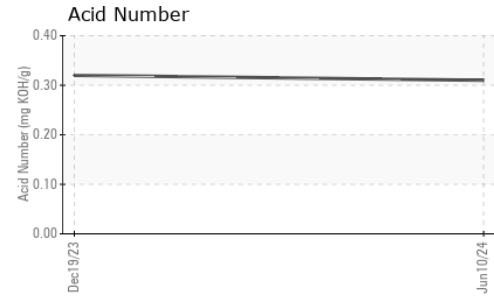
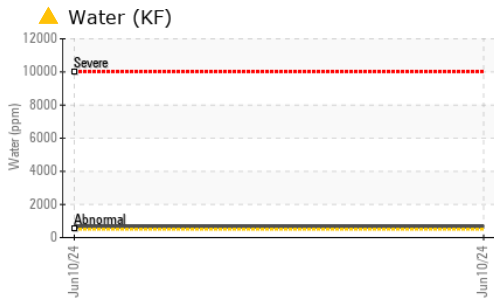
## CONTAMINATION

Appearance is hazy. There is a light concentration of water present in the oil. Free water present. There is a moderate amount of visible silt present in the sample.

## FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UHC06210248</b>	UCH06095636	---
Sample Date		Client Info		<b>10 Jun 2024</b>	19 Dec 2023	---
Machine Age	hrs	Client Info		<b>36511</b>	36272	---
Oil Age	hrs	Client Info		<b>0</b>	7536	---
Filter Age	hrs	Client Info		<b>0</b>	2765	---
Oil Changed		Client Info		<b>Not Changd</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---
<hr/>						
Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	>3	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>10	<b>1</b>	<1	---
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>12</b>	8	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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Silicon	ppm	ASTM D5185m	>25	<b>1</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	5	---
Water	%	ASTM D6304	>0.05	<b>▲ 0.065</b>	---	---
ppm Water	ppm	ASTM D6304	>500	<b>▲ 650</b>	---	---
Silt	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>● HAZY</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.05	<b>0.2%</b>	NEG	---
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Sodium	ppm	ASTM D5185m		<b>9</b>	10	---
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	14	---
Calcium	ppm	ASTM D5185m		<b>0</b>	0	---
Phosphorus	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Zinc	ppm	ASTM D5185m		<b>30</b>	41	---
Sulfur	ppm	ASTM D5185m		<b>22415</b>	17370	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.31</b>	0.32	---
Visc @ 40°C	cSt	ASTM D445		<b>45.9</b>	46.5	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UHC06210248 **Received** : 14 Jun 2024  
**Lab Number** : 06210248 **Tested** : 18 Jun 2024  
**Unique Number** : 11083112 **Diagnosed** : 18 Jun 2024 - Angela Borella  
**Test Package** : IND 2 ( Additional Tests: KF )

**ATLANTA AIR COMPRESSOR**  
 123 MERCHANTS PARK DR  
 HOSCHTON, GA  
 US 30548

Contact: Derik Bray  
 Derik@atlantaaircompressor.com

T: (470)252-9952

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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