



OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>ABNORMAL</b>

Area  
**ACI-CLEAN**  
Machine Id  
**KAESER 1258 - NEW MILLENIUM**  
Component  
**Compressor**

**RECOMMENDATION**

We advise that you check for a possible overheat condition. Oil and 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**

There is no indication of any contamination in the oil.

**FLUID CONDITION**

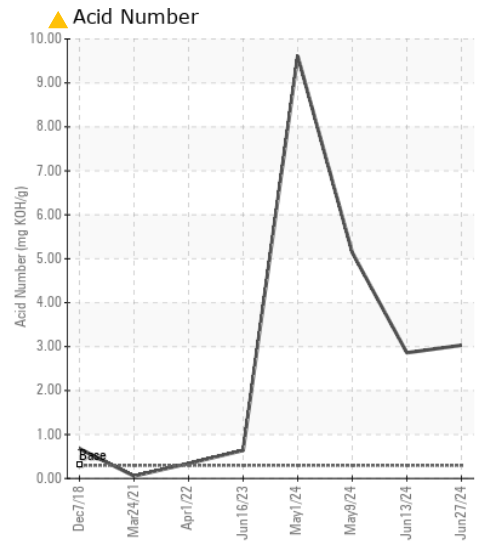
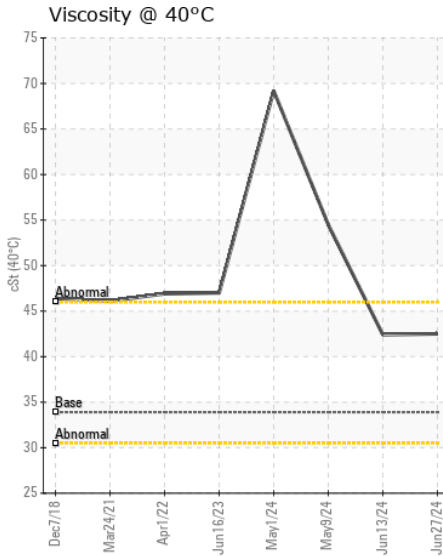
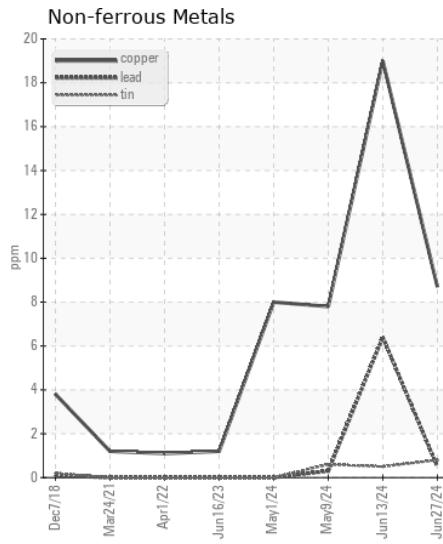
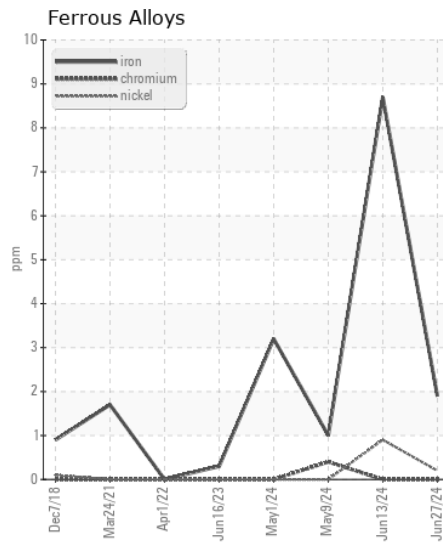
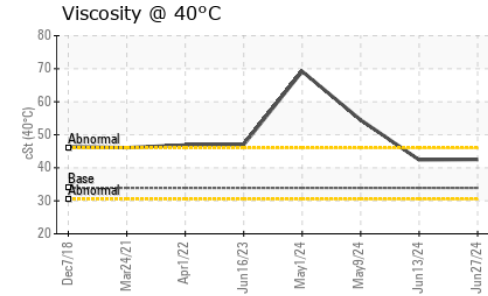
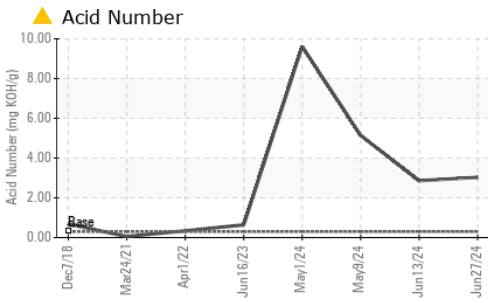
The AN level is above the recommended limit. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UAC06224591</b>	UAC06214859	UAC06177289
Sample Date		Client Info		<b>27 Jun 2024</b>	13 Jun 2024	09 May 2024
Machine Age	hrs	Client Info		<b>38581</b>	38362	37824
Oil Age	hrs	Client Info		<b>10114</b>	200	0
Filter Age	hrs	Client Info		<b>10114</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	N/A	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	SEVERE

Iron	ppm	ASTM D5185m	>50	<b>2</b>	9	1
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>1</b>	<1	2
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	6	<1
Copper	ppm	ASTM D5185m	>50	<b>9</b>	19	8
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>25	<b>2</b>	2	2
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	2	2
Water		WC Method	>0.05	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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	>0.05	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>5</b>	4	2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	14
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	1
Calcium	ppm	ASTM D5185m		<b>&lt;1</b>	0	4
Phosphorus	ppm	ASTM D5185m	287	<b>83</b>	92	165
Zinc	ppm	ASTM D5185m		<b>66</b>	79	78
Sulfur	ppm	ASTM D5185m	270	<b>178</b>	172	262
Acid Number (AN)	mg KOH/g	ASTM D8045	0.296	<b>▲ 3.03</b>	▲ 2.86	▲ 5.14
Visc @ 40°C	cSt	ASTM D445	33.9	<b>42.5</b>	42.4	54.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UAC06224591  
**Lab Number** : 06224591  
**Unique Number** : 11102788  
**Test Package** : IND 2

**Received** : 01 Jul 2024  
**Tested** : 02 Jul 2024  
**Diagnosed** : 02 Jul 2024 - Don Baldrige

**ATLANTIC COMPRESSORS - ACI**  
 2144 SALEM INDUSTRIAL DRIVE  
 SALEM, VA  
 US 24153

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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)