



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

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

RECOMMENDATION

We advise that you check for a possible overheat condition. We recommend that you drain the oil and perform a filter service on this component if not already done. 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

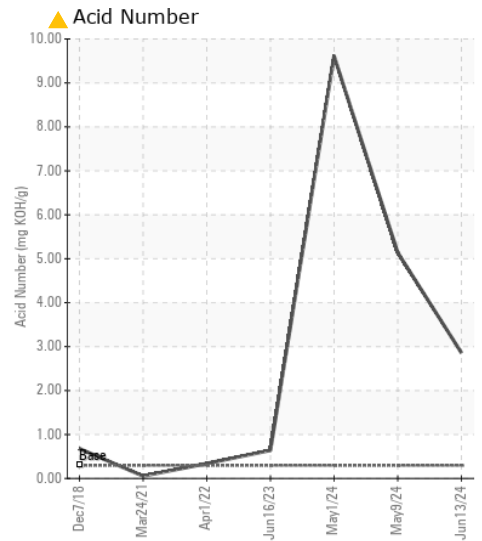
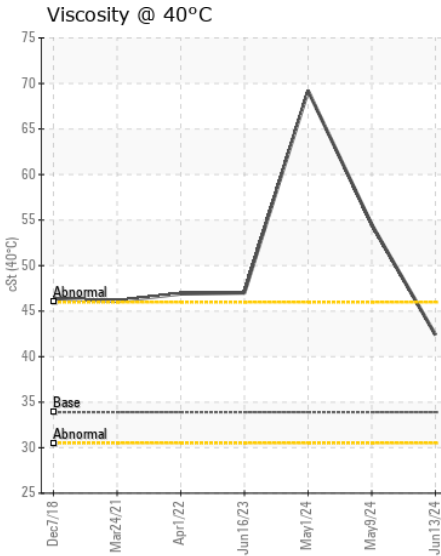
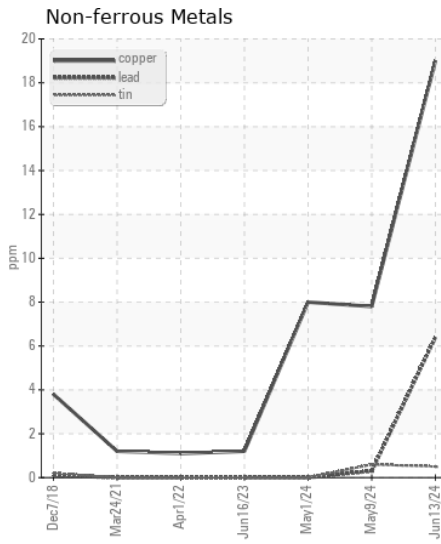
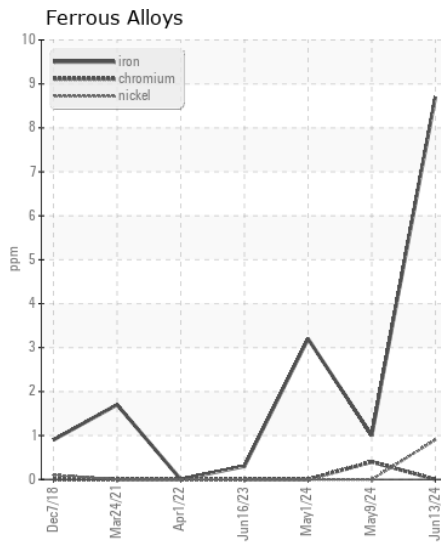
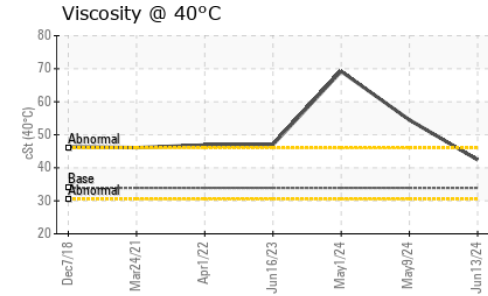
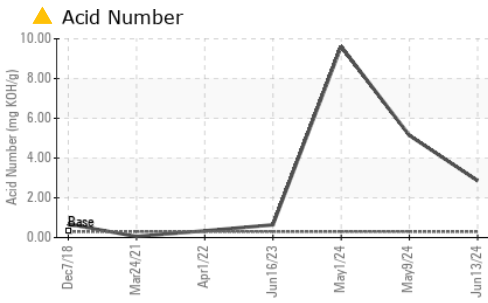
The AN level is above the recommended limit. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UAC06214859	UAC06177289	UAC06171410
Sample Date		Client Info		13 Jun 2024	09 May 2024	01 May 2024
Machine Age	hrs	Client Info		38362	37824	37779
Oil Age	hrs	Client Info		200	0	0
Filter Age	hrs	Client Info		0	0	7312
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		N/A	Not Changd	Changed
Sample Status				ABNORMAL	SEVERE	SEVERE

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

Silicon	ppm	ASTM D5185m	>25	2	2	2
Potassium	ppm	ASTM D5185m	>20	2	2	1
Water		WC Method	>0.05	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		4	2	6
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	14	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	1	0
Calcium	ppm	ASTM D5185m		0	4	0
Phosphorus	ppm	ASTM D5185m	287	92	165	57
Zinc	ppm	ASTM D5185m		79	78	64
Sulfur	ppm	ASTM D5185m	270	172	262	116
Acid Number (AN)	mg KOH/g	ASTM D8045	0.296	▲ 2.86	▲ 5.14	▲ 9.613
Visc @ 40°C	cSt	ASTM D445	33.9	● 42.4	● 54.5	● 69.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UAC06214859
Lab Number : 06214859
Unique Number : 11087723
Test Package : IND 2

Received : 19 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 21 Jun 2024 - Don Baldrige

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

Contact: BILL RIMER
 bill@atlanticcompressors.com

T: (540)728-1147
 F: (757)216-0134

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)