



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
SAP-317149 BEKAERT CORP [2010599231]

Machine Id
KAESER Kaeser - 5293397 (S/N 1161)

Component
Compressor

Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		APC06240355	APCI2269276	APC06084312
Sample Date		Client Info		08 Jul 2024	27 Mar 2024	28 Dec 2023
Machine Age	hrs	Client Info		67159	71316	63226
Oil Age	hrs	Client Info		5674	3442	1444
Filter Age	hrs	Client Info		2230	2018	1444
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				ABNORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	4	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	7	4	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

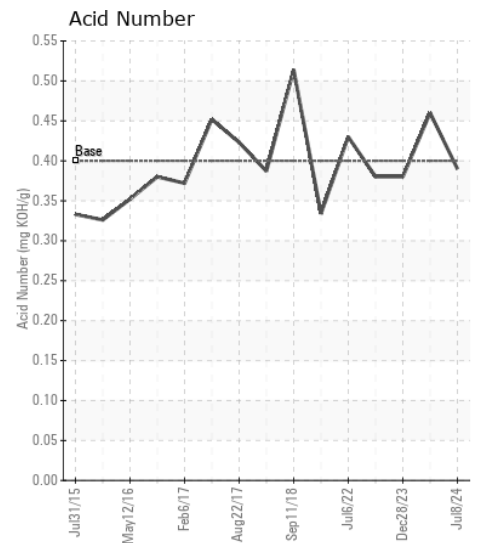
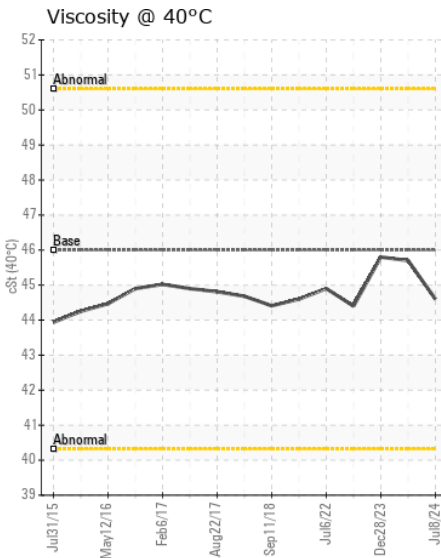
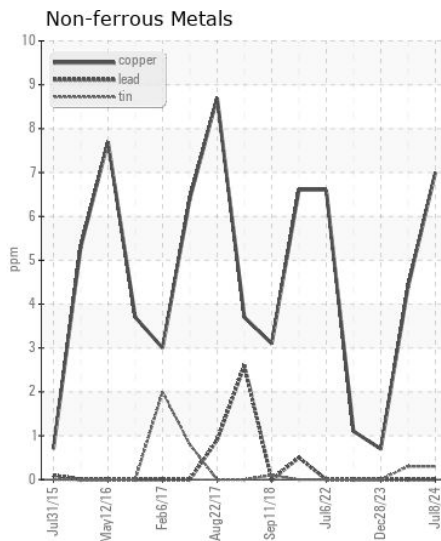
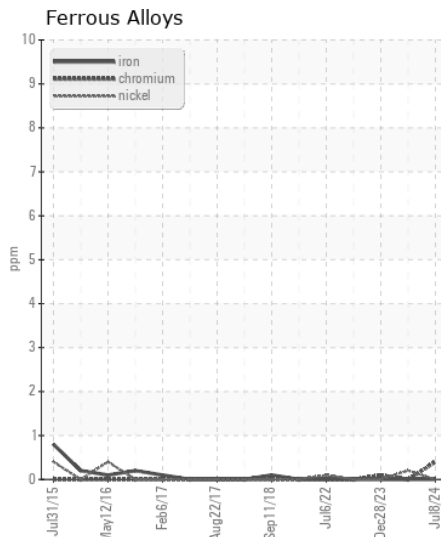
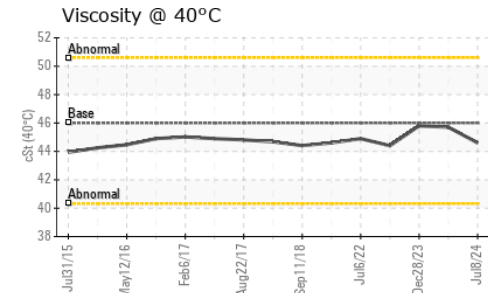
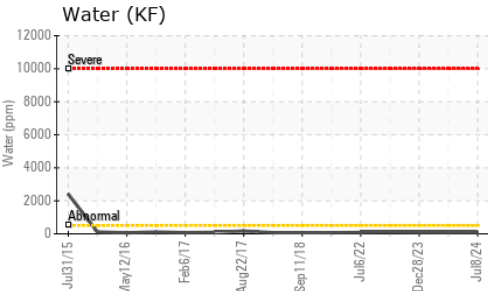
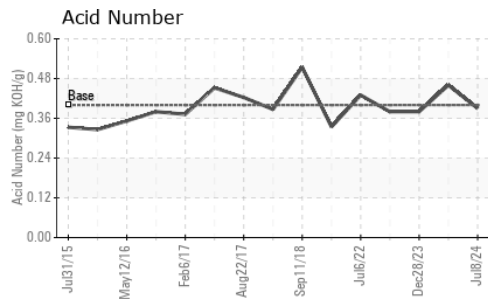
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>25	0	0	0
Potassium	ppm	ASTM D5185m	>20	1	1	0
Water	%	ASTM D6304	>0.05	0.008	0.007	0.008
ppm Water	ppm	ASTM D6304	>500	88	71	82
Particles >4µm		ASTM D7647		---	1459	4106
Particles >6µm		ASTM D7647	>1300	---	393	1096
Particles >14µm		ASTM D7647	>80	---	72	116
Particles >21µm		ASTM D7647	>20	---	30	39
Particles >38µm		ASTM D7647	>4	---	3	4
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	---/17/13	---	18/16/13	19/17/14
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	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

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	2	2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		0	1	0
Magnesium	ppm	ASTM D5185m	90	<1	<1	19
Calcium	ppm	ASTM D5185m	2	0	<1	1
Phosphorus	ppm	ASTM D5185m		0	3	4
Zinc	ppm	ASTM D5185m		0	0	1
Sulfur	ppm	ASTM D5185m		16096	20369	16634
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.39	0.46	0.38
Visc @ 40°C	cSt	ASTM D445	46	44.6	45.7	45.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : APC06240355 **Received** : 18 Jul 2024
Lab Number : 06240355 **Tested** : 19 Jul 2024
Unique Number : 11129189 **Diagnosed** : 19 Jul 2024 - Doug Bogart
Test Package : IND 2 (Additional Tests: KF, PrtCount)

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 US 18195
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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)