

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

5719924 (S/N 1484) Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

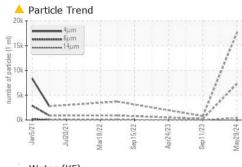
Fluid Condition

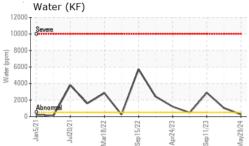
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

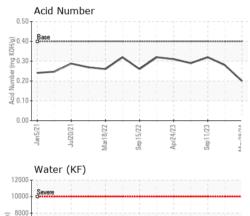
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC06216892	KC06047779	KC05975740
Sample Date		Client Info		29 May 2024	11 Dec 2023	11 Sep 2023
Machine Age	hrs	Client Info		43832	39975	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	3	0	0
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	12	6	4
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	1	0	2
Molybdenum		ASTM D5185m	30	' <1	0	0
Manganese	ppm ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	90	2	0	37
Calcium	ppm	ASTM D5185m		0	0	5
Phosphorus		ASTM D5185m	2	3	57	2
Zinc	ppm	ASTM D5185m		22	0	26
-	ppm	ASTIVI DUTOJIII		22	0	20
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	0	0
Sodium	ppm	ASTM D5185m		0	6	4
Potassium	ppm	ASTM D5185m	>20	1	2	0
Water	%	ASTM D6304	>0.05	0.026	▲ 0.104	▲ 0.289
ppm Water	ppm	ASTM D6304	>500	261	▲ 1042	▲ 2890
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		17631		785
Particles >6µm		ASTM D7647	>1300	<u> </u>		220
Particles >14µm		ASTM D7647	>80	<mark>人</mark> 451		22
Particles >21µm		ASTM D7647	>20	<u> </u>		5
Particles >38µm		ASTM D7647	>4	<u> </u>		0
Particles >71µm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	A 21/20/16		17/15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.20	0.28	0.32

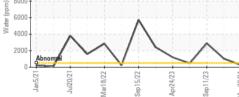


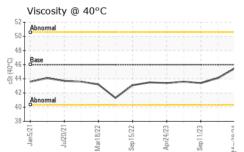
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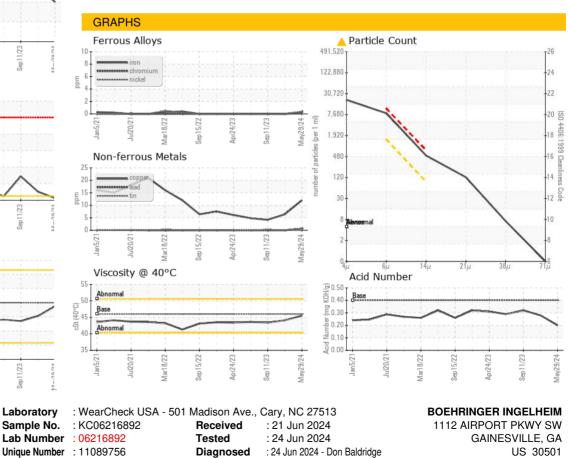




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Sand/Dirt	scalar	*Visual	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	0.2%
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	45.5	44.1	43.4
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color				a.	a	3



Bottom



Diagnosed : 24 Jun 2024 - Don Baldridge

US 30501 Contact: Service Manager

Test Package : IND 2

* - 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)

Report Id: BOEGAI [WUSCAR] 06216892 (Generated: 06/24/2024 13:29:39) Rev: 1

Contact/Location: Service Manager - BOEGAI

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