

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

KAESER AS 30T 6595598 (S/N 1235)

Component Compressor Fluid

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and 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 acceptable for the time in service.

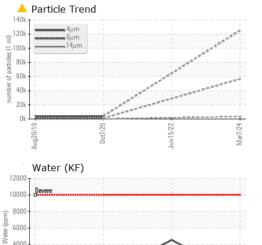
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013048	KC102238	KC90987
Sample Date		Client Info		07 Mar 2024	15 Jun 2022	07 Oct 2020
Machine Age	hrs	Client Info		17827	11259	6800
Oil Age	hrs	Client Info		0	4459	3307
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	1	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	0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	2	0	0
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m		20	24	11
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
	PPIII		11 11 11			-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	1	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	90	<1	0	0
Calcium	ppm	ASTM D5185m	2	3	0	0
Phosphorus	ppm	ASTM D5185m		12	3	8
Zinc	ppm	ASTM D5185m		5	0	0
Sulfur	ppm	ASTM D5185m		15801	14172	15748
CONTAMINANTS		method	limit/base	current	history1	history2
				ourront	, , , , , , , , , , , , , , , , , , ,	
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
	ppm ppm	ASTM D5185m ASTM D5185m				0
Silicon Sodium Potassium				<1	<1	
Sodium	ppm	ASTM D5185m	>25	<1 <1	<1 <1	0
Sodium Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m	>25 >20	<1 <1 <1	<1 <1 0	0 0
Sodium Potassium Water	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304	>25 >20 >0.05	<1 <1 <1 0.006	<1 <1 0 • 0.455	0 0 0.006
Sodium Potassium Water ppm Water FLUID CLEANLIN	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304	>25 >20 >0.05 >500	<1 <1 <1 0.006 68	<1 <1 0 • 0.455 • 4550	0 0 0.006 69.0
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	>25 >20 >0.05 >500 limit/base	<1 <1 <1 0.006 68 current	<1 <1 0 0 0.455 4550 history1	0 0 0.006 69.0 history2
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	>25 >20 >0.05 >500 limit/base	<1 <1 <1 0.006 68 <u>current</u> 124939	<1 <1 0 ▲ 0.455 ▲ 4550 history1	0 0 0.006 69.0 history2 4197
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647	>25 >20 >0.05 >500 limit/base >1300 >80	<1 <1 <1 <1 0.006 68 current 124939 ▲ 56578 ▲ 3495	<1 <1 0 0.455 4550 history1 	0 0 0.006 69.0 history2 4197 1135
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 >0.05 >500 limit/base >1300 >80	<1 <1 <1 <1 <0.006 68 current 124939 56578 3495 671	<1 <1 0 0.455 4550 history1 	0 0 0.006 69.0 history2 4197 1135 60 19
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 >0.05 >500 limit/base >1300 >80 >20 >4	<1 <1 <1 <1 0.006 68 current 124939 ▲ 56578 ▲ 3495 ▲ 671 ▲ 7	<1 <1 0 0.455 4550 history1 <!--</td--><td>0 0 0.006 69.0 history2 4197 1135 60</td>	0 0 0.006 69.0 history2 4197 1135 60
Sodium Potassium Water ppm Water	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 >0.05 >500 limit/base >1300 >80 >20 >4	<1 <1 <1 <1 <0.006 68 current 124939 56578 3495 671	<1 <1 0 0.455 4550 history1 	0 0.006 69.0 history2 4197 1135 60 19 3
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >21µm Particles >38µm Particles >71µm	ppm % ppm ESS	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 >0.05 >500 limit/base >1300 >80 >20 >4 >3	<1 <1 <1 <1 0.006 68 current 124939 < 56578 < 3495 < 671 < 7 0	<1 <1 0 0.455 4550 history1 	0 0.006 69.0 history2 4197 1135 60 19 3 0

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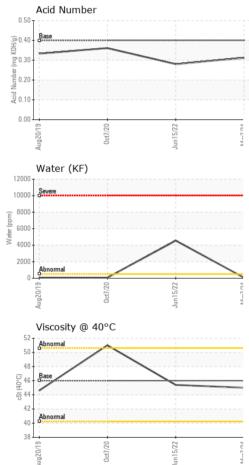
Contact/Location: T. WHITLEY - BEMBAL

COMPRESSOR Built for a lifetime

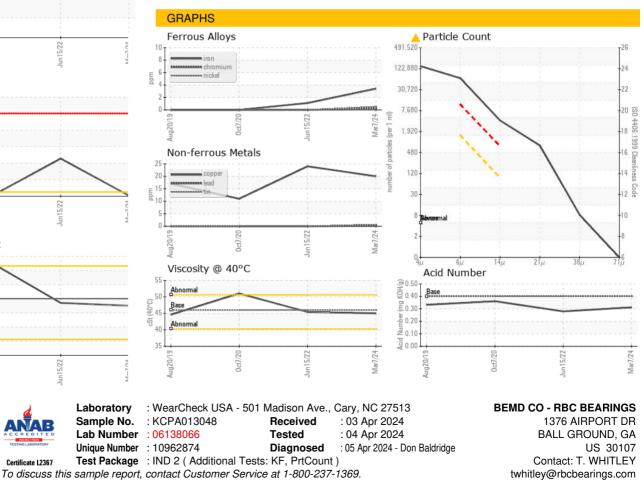
OIL ANALYSIS REPORT







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	LIGHT	A MODER	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	▲ 0.2%	NEG
Free Water	scalar	*Visual		NEG	▲ 1.0	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	45.0	45.4	51.0
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						
Bottom						



* - 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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Certificate 12367

Contact/Location: T. WHITLEY - BEMBAL

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