

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

KAESER AS30T 8294028 (S/N 1885)

Component 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.

	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC125875	KC102071	
Sample Date		Client Info		01 Apr 2024	25 May 2023	
Machine Age	hrs	Client Info		7249	3944	
Oil Age	hrs	Client Info		0	2727	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	<1	0	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>50	5	3	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m	90	20	29	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	90	67	77	
Calcium	ppm	ASTM D5185m	2	2	2	
Phosphorus	ppm	ASTM D5185m		<1	<1	
Zinc	ppm	ASTM D5185m		3	6	
2 1110						
-						
CONTAMINANTS		method	limit/base	current	history1	history2
CONTAMINANTS Silicon	ppm	ASTM D5185m	limit/base >25	<1	<1	
CONTAMINANTS Silicon Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>25	<1 23	<1 16	
CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20	<1 23 9	<1 16 12	
CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304	>25 >20 >0.05	<1 23 9 0.012	<1 16 12 0.033	
CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304	>25 >20 >0.05 >500	<1 23 9	<1 16 12 0.033 332.3	
CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	>25 >20 >0.05	<1 23 9 0.012 129 current	<1 16 12 0.033 332.3 history1	
CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	>25 >20 >0.05 >500 limit/base	<1 23 9 0.012 129 current 16558	<1 16 12 0.033 332.3 history1 13951	
CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647	>25 >20 >0.05 >500 limit/base	<1 23 9 0.012 129 current 16558 4023	<1 16 12 0.033 332.3 history1 13951 ▲ 4074	 history2
CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 >0.05 >500 limit/base >1300 >80	<1 23 9 0.012 129 current 16558 4023 209	<1 16 12 0.033 332.3 history1 13951 4 4074 104	 history2
CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647	>25 >20 >0.05 >500 limit/base	<1 23 9 0.012 129 current 16558 4023	<1 16 12 0.033 332.3 history1 13951 ▲ 4074	 history2
CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 >0.05 >500 limit/base >1300 >80	<1 23 9 0.012 129 current 16558 ▲ 4023 ▲ 209 4	<1 16 12 0.033 332.3 history1 13951 4 4074 104	 history2
CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm 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	<1 23 9 0.012 129 current 16558 4023 209 69	<1 16 12 0.033 332.3 history1 13951 4074 104 9	 history2
CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 >0.05 >500 limit/base >1300 >80 >20 >4	<1 23 9 0.012 129 current 16558 ▲ 4023 ▲ 209 4	<1 16 12 0.033 332.3 history1 13951 4074 4074 9 0	 history2
CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm % ppm ESS	ASTM D5185m ASTM D5185m ASTM D6304 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 23 9 0.012 129 current 16558 ▲ 4023 ▲ 209 ▲ 69 4 0	<1 16 12 0.033 332.3 history1 13951 4074 4074 104 9 0 0 0	 history2



OIL ANALYSIS REPORT

20k	Particle Trend			VISUAL		method	limit/base	current
	4μm 6μm			White Metal	scalar	*Visual	NONE	NONE
number of particles (1 ml) 10k 24	14µm			Yellow Metal	scalar	*Visual	NONE	NONE
appine 104				Precipitate	scalar	*Visual	NONE	NONE
r of b				Silt	scalar	*Visual	NONE	NONE
9 5k				Debris	scalar	*Visual	NONE	NONE
				Sand/Dirt	scalar	*Visual	NONE	NONE
Ok	/23		724	Appearance	scalar	*Visual	NORML	NORML
	May25/23		Apr1/24	Odor	scalar	*Visual	NORML	NORML
				Emulsified Water	scalar	*Visual	>0.05	NEG
12000	Water (KF)			Free Water	scalar	*Visual	20.00	NEG
10000	Severe					VISUAI		NEG
8000				FLUID PROPER	TIES	method	limit/base	current
Vater (ppm)				Visc @ 40°C	cSt	ASTM D445	46	45.8
Å 4000				SAMPLE IMAGE	S	method	limit/base	current
2000	Abnormal							
0	May25/23 -		Apr1/24 -	Color				
	Mai		4					
0.50	Acid Number							
	Base	*****	******	Bottom				
(B0.40) Winnber (mg KOH/g) 0.20 0.10								
	1			GRAPHS				
In Nur				Ferrous Alloys				A Particle Count
₽ 0.10				10 8			491,52	20 T
0.00	2		5 7	chromium			122,8	30 -
	May25/23		And P				30,72	201
	N			2-			50,71	
12000	Water (KF)						7,6	30-
12000	Severe			May25/23			Apr1/24 number of particles (per 1 ml)	20-
0000	-						A cles (p	
0008 Mater (ppm)				Non-ferrous Meta	als		ited 4	30
Vater (j				8 - copper				20-
4000				F 6+ tin				30 -
2000	Abnormal			un 4				
0			10	2				8 Berevernal
	May25/23		1A	0			24	2
				May25/23			Apr1/24	
52	Viscosity @ 40°			≥ Viscosity @ 40°C				0 4μ 6μ 1
50	Abnormal			55 T				Acid Number
48	Base			50 - Abnormal			.0. (B/H01)	Base
046 140°C) 140	Base			() 아아아아아아아아아아아아아아아아아아아아아아아아아아아아아아아아아아아아			۵.3 سود سود سود سود سود سود سود سود سود سود	30 -
충 44 42				성 40 – Abnormal			.0.2 E	20 -
42	Abnormal			+0 - +			cid	
38				354				
	May25/23			May25/23			Apr1/24	May25/2
	M		<					
		4	Laboratory	: WearCheck USA - 50				
N		ANAB	Sample No. Lab Number	: KC125875	Recei Teste		2 Apr 2024 3 Apr 2024	
8		TESTING LABORATORY	Unique Number				Apr 2024 Apr 2024 - Do	n Baldridge
		Certificate L2367	Test Package					
3.		To discuss th	is sample report,	contact Customer Ser				
œ۶				are outside of the ISO pecifications are based				rule (ICGM 106

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: F:

Apr1/24 -

Contact/Location: Service Manager - DIVLAK Page 2 of 2

214

38L

DIVERSIFIED FIXTURE 1930 SWARTHMORE AVE

Contact: Service Manager

LAKEWOOD, NJ US 08701

history1

NONE

NONE

NONE

NONE

LIGHT

NONE NORML

NORML NEG NEG

history1

history1

47.7

history2

history2

history2

no image

no image

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14 Cod