

OIL ANALYSIS REPORT

Sample Rating Trend



KAESER AS 30 7307614 (S/N 1533)

Compressor

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

			Apr2021	Jan2022		
SAMPLE INFORM	MATION	method				history2
Sample Number		Client Info		KC97518	KC94241	
Sample Date		Client Info		03 Jan 2022	26 Apr 2021	
Machine Age	hrs	Client Info		4164	2063	
Oil Age	hrs	Client Info		2099	2063	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	<1	1	
Chromium	ppm	ASTM D5185m		0	0	
Nickel	ppm	ASTM D5185m	>3	<1	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver		ASTM D5185m	>2	0	0	
	ppm			0	<1	
Aluminum	ppm	ASTM D5185m	>10	-		
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>50	8	4	
Tin	ppm	ASTM D5185m	>10	0	<1	
Antimony	ppm	ASTM D5185m		<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	13	
Barium	ppm	ASTM D5185m	90	0	23	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	90	24	56	
Calcium	ppm	ASTM D5185m	2	0	2	
Phosphorus	ppm	ASTM D5185m		2	8	
Zinc	ppm	ASTM D5185m		0	1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	2	
Sodium	ppm	ASTM D5185m		3	14	
Potassium	ppm	ASTM D5185m	>20	6	21	
Water	%	ASTM D510301		0.007	0.029	
ppm Water	ppm	ASTM D0304 ASTM D6304	>500	74.7	290.8	
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		698	8503	
•		ASTM D7647 ASTM D7647	<1300	156	▲ 2339	
Particles >6µm						
Particles >14µm		ASTM D7647	>80	12	▲ 211 ▲ 52	
Particles >21µm		ASTM D7647		3	▲ 53	
Particles >38µm		ASTM D7647	>4	0	1	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	14/11	1 8/15	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.385	0.339	



12000

10000

8000 Water (ppm)

6000

4000

2000

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 of particles (1) 6k

٧ 12000

() 0€0 46

75 44

of particles (1 ml) 8

2000 فل Apr/26/21

OIL ANALYSIS REPORT

NORML

NORML

Particle Count

Acid Number

NONE

NONE

NONE

NONE

LIGHT

NONE

NORML

NORML

NEG

NEG

44.7

no image

no image

0SI

1999 Cle

18 18

16

14

Period Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Sitt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NONE NO Odor scalar *Visual NONE NO Particle Trend Free Water scalar *Visual NO Particle Trend Free Water scalar *Visual NO Water (KF) Ferrous Alloys method imit/base Viscosity @ 40°C Ferrous Alloys Particle Trend 1000000000000000000000000000000000000	Water (KF)			VISUAL		method	limit/b	ase	curre
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Precipitate scalar Visual NONE NA Sand/Dirt scalar Visual NONE NA Sand/Dirt scalar Visual NONE NA Appearance scalar Visual NONE NA NA Particle Trend Water (KF) Viscosity @ 40°C						*Visual			NONE
Sitt scalar Visual NONE Particle Trend									NONE
Particle Trend Particle Trend									NONE
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Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : KC97518 Received : 11 Jan 2022 Lab Number : 05441413 Tested : 12 Jan 2022				55 T				0.50·	Acid Nu
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : KC97518 Received : 11 Jan 2022 Lab Number : 05441413 Tested : 12 Jan 2022	**************************************			50				¥0.40	Base
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : KC97518 Received : 11 Jan 2022 Lab Number : 05441413 Tested : 12 Jan 2022	6k			© Base € 45 -				Ĕ 0.30 ·	
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : KC97518 Received : 11 Jan 2022 Lab Number : 05441413 Tested : 12 Jan 2022	4k			Abnormal				e 0.20	
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : KC97518 Received : 11 Jan 2022 Lab Number : 05441413 Tested : 12 Jan 2022	2k							0.10 Pop	•
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CARDINAL RUBBER 939 WOOSTER ROAD N. BARBERTON, OH US 44203 Contact: SERVICE MANAGER

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

an3/22

^{* -} Denotes test methods that are outside of the ISO 17025 scope of accreditation.