

OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Machine Id

KAESER SX 7 2672485 (S/N 1504)

Component Compressor

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

Recommendation

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 moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		KCPA013589	KCP44080	KCP29446		
Sample Date		Client Info		11 Mar 2024	14 Mar 2022	03 Sep 2020		
Machine Age	hrs	Client Info		27818	25799	24152		
Oil Age	hrs	Client Info		0	2774	0		
Oil Changed		Client Info		Changed	Changed	Not Changd		
Sample Status				ATTENTION	ABNORMAL	ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>50	0	<1	2		
Chromium	ppm	ASTM D5185m	>10	<1	0	0		
Nickel	ppm	ASTM D5185m	>3	0	0	<1		
Titanium	ppm	ASTM D5185m	>3	0	0	0		
Silver	ppm	ASTM D5185m	>2	0	<1	0		
Aluminum	ppm	ASTM D5185m	>10	0	2	2		
Lead	ppm	ASTM D5185m	>10	0	0	0		
Copper	ppm	ASTM D5185m		0	2	4		
Tin	ppm	ASTM D5185m		0	<1	0		
Antimony	ppm	ASTM D5185m				0		
Vanadium	ppm	ASTM D5185m		0	0	0		
Cadmium		ASTM D5185m		0	0	0		
	ppm		11 14 1		-	-		
ADDITIVES		method	limit/base		history1	history2		
Boron	ppm	ASTM D5185m	0	0	2	0		
Barium	ppm	ASTM D5185m	90	0	39	5		
Molybdenum	ppm	ASTM D5185m	0	0	0	0		
Manganese	ppm	ASTM D5185m		0	<1	<1		
Magnesium	ppm	ASTM D5185m	100	<1	87	34		
Calcium	ppm	ASTM D5185m	0	0	<1	1		
Phosphorus	ppm	ASTM D5185m	0	<u> </u>	2	<1		
Zinc	ppm	ASTM D5185m	0	0	1	17		
Sulfur	ppm	ASTM D5185m	23500	e 2611	17308	15573		
CONTAMINANTS		method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	<1	<1	1		
Sodium	ppm	ASTM D5185m		<1	3	6		
Potassium	ppm	ASTM D5185m	>20	0	0	2		
Water	%	ASTM D6304	>0.05	0.003	0.024	0.018		
ppm Water	ppm	ASTM D6304	>500	32	242.6	188.8		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647		7241	29068	117946		
Particles >6µm		ASTM D7647	>1300	<u> </u>	A 7215	▲ 43626		
Particles >14µm		ASTM D7647	>80	72	A 829	▲ 6692		
Particles >21µm		ASTM D7647	>20	17	<u> </u>	1 991		
Particles >38μm		ASTM D7647	>4	0	<u> </u>	60		
Particles >71µm		ASTM D7647		0	0	4		
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/18/13	▲ 20/17	▲ 23/20		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2		
Acid Number (AN) :28:10) Rev: 1	mg KOH/g	ASTM D8045	1.0	0.17 0.43 0.260 Contact/Location: Service Manager - TRASANNC				

Report Id: TRASANNC [WUSCAR] 06143729 (Generated: 04/12/2024 11:28:10) Rev: 1

Contact/Location: Service Manager - TRASANNC



120

100 î les (1

80

60

40

201

0

150

mdd 100 50

Additives

Additives

Acid Number

20

150

100

50

1.20

(B/H0.9) KOH/8)

Ê0.72

٩ ٤ 0.4

Pio 0.24

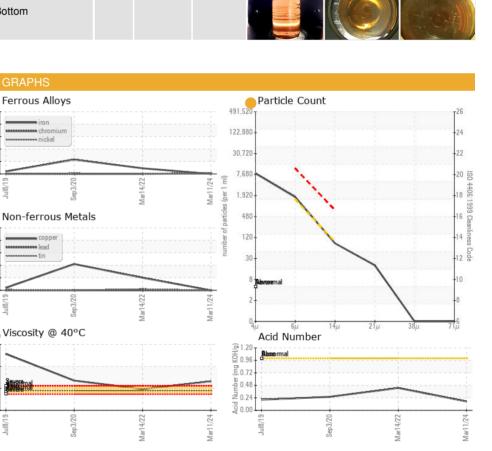
0.00

partic

Built for a lifetime

OIL ANALYSIS REPORT

Particle Trend	1		VISUAL		method	limit/base	current
0k - 4μm			White Metal	scalar	*Visual	NONE	NONE
14µm			Yellow Metal	scalar	*Visual	NONE	NONE
			Precipitate	scalar	*Visual	NONE	NONE
	\sim		Silt	scalar	*Visual	NONE	NONE
lk - management			Debris	scalar	*Visual	NONE	NONE
)k	and and a second se	and the other diversion of the other diversio	Sand/Dirt	scalar	*Visual	NONE	NONE
Jul8/19	Sep3/20 .	Mar11/24	Appearance	scalar	*Visual	NORML	NORML
лſ	Sep	Mar1	Odor	scalar	*Visual	NORML	NORML
Additives			Emulsified Water	scalar	*Visual	>0.05	NEG
			Free Water	scalar	*Visual		NEG
calcium 00 - phosphorus	15		FLUID PROPERT		method	limit/base	ourropt
ZINC		1			method	iiiiiii/base	current
50			Visc @ 40°C	cSt	ASTM D445	45	65.9
10 -			SAMPLE IMAGES	5	method	limit/base	current
0 61/8mr	Sep3/20	Mar11/24	Color				
Water (KF)			Bottom				•
10							
0			GRAPHS				





: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 Apr 2024 Tested : 10 Apr 2024 Diagnosed : 12 Apr 2024 - Jonathan Hester TRAMWAY VENEERS INC 2603 TRAMWAY RD SANFORD, NC

US 27332 Contact: Service Manager

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)

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/lar14/22

Mar14/22

Mar14/22

Sep3/20

en3/20

Sep3/20

Mar11/24

10

10

cSt (40°C) 20 20

1.18/1

Contact/Location: Service Manager - TRASANNC

NONE

NONE

NONE

NONE

LIGHT

NONE

NORML

NORML

NEG

NEG

48.5

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

67.4

T:

F: