

PROBLEM SUMMARY

Sample Rating Trend

ISO

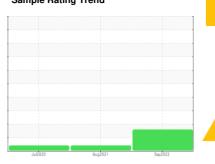
Machine Id

KAESER SX 7.5 A/C 6861645 (S/N 1070)

Component

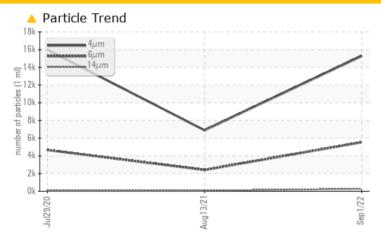
Compressor

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





COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status			ABNORMAL	ATTENTION	ABNORMAL		
Particles >6µm	ASTM D7647	>1300	<u></u> 5540	<u>^</u> 2414	△ 4663		
Particles >14μm	ASTM D7647	>80	270	66	64		
Particles >21µm	ASTM D7647	>20	45	12	12		
Oil Cleanliness	ISO 4406 (c)	>/17/13	21/20/15	▲ 18/13	<u> </u>		

Customer Id: FLAGRE Sample No.: KC73230 Lab Number: 05645554 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid			?	Oil and filter change at the time of sampling has been noted.
Change Filter			?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS

13 Aug 2021 Diag: Don Baldridge





No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



29 Jul 2020 Diag: Angela Borella





Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



KAESER SX 7.5 A/C 6861645 (S/N 1070)

Compressor

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

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

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.

		Ju	2020	Aug2021 Sep20	22	
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number				KC73230	KC84239	KC85495
Sample Date				01 Sep 2022	13 Aug 2021	29 Jul 2020
Machine Age	hrs			445	312	130
Oil Age	hrs			133	182	130
Oil Changed				Changed	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	<1	<1	2
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	2	2	2
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	43	29	29
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m	90	58	74	89
Calcium	ppm	ASTM D5185m	2	0	0	5
Phosphorus	ppm	ASTM D5185m		5	5	5
Zinc	ppm	ASTM D5185m		3	6	11
CONTAMINANTS	;	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	<1	0	1
Sodium	ppm	ASTM D5185m		7	10	11
Potassium	ppm	ASTM D5185m	>20	0	2	3
Water	%	ASTM D6304	>0.05	0.023	0.022	0.016
ppm Water	ppm	ASTM D6304	>500	238.0	229.5	168.7
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		15281	6886	15985
Particles >6µm		ASTM D7647	>1300	5540	<u>^</u> 2414	△ 4663
Particles >14µm		ASTM D7647	>80	270	66	64
Particles >21µm		ASTM D7647	>20	45	12	12
Particles >38µm		ASTM D7647	>4	3	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 21/20/15	<u>▲</u> 18/13	△ 19/13
FLUID DEGRADA	ATION	method	limit/base	current	history 1	history 2
. LOID DEGITION		mornoa	IIIII Dago	Carront	Thotory 1	motory Z

0.29

Acid Number (AN)

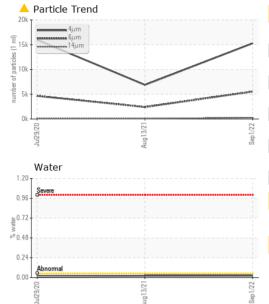
mg KOH/g ASTM D8045 0.4

0.327

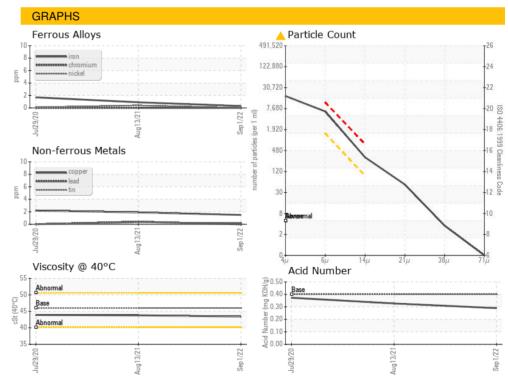
0.373



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history 1	history 2
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	NONE	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	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	46	43.4	43.8	43.9
SAMPLE IMAGES		method	limit/base	current	history 1	history 2
Color						
Bottom						





Certificate L2367

Laboratory Sample No. Test Package : IND 2

Lab Number Unique Number : 10140093

: KC73230 : 05645554

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 19 Sep 2022 Diagnosed : 22 Sep 2022 Diagnostician : Jonathan Hester

FLAWLESS AUTO BODY 1111 38TH ST NORTH GREAT FALLS, MT USA 59405

Contact:

T:

F:

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

* - 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)