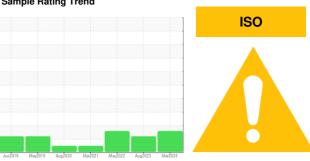


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER SFC 37 4923304 (S/N 1011)

Compressor

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 suitable for further service.

		Jun2018	May2019 Aug2020	Mar2021 May2022 Aug2023	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016889	KCPA006597	KCP48078
Sample Date		Client Info		27 Mar 2024	14 Aug 2023	09 May 2022
Machine Age	hrs	Client Info		57694	52315	41292
Oil Age	hrs	Client Info		5299	0	9802
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	11	8	6
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m	90	10	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	90	47	6	15
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		6	2	5
Zinc	ppm	ASTM D5185m		5	5	9
Sulfur	ppm	ASTM D5185m		21775	21622	17884
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	1	<1
Sodium	ppm	ASTM D5185m		14	4	9
Potassium	ppm	ASTM D5185m	>20	3	<1	<1
Water	%	ASTM D6304	>0.05	0.016	0.005	0.014
ppm Water	ppm	ASTM D6304	>500	164	52.3	140.4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		33316	2269	7127
		AOTA A DZC 4Z	>1300	A 8690	712	1948
Particles >6µm		ASTM D7647	>1000			1040
		ASTM D7647 ASTM D7647	>80	<u>▲</u> 507	99	148
Particles >6μm						
Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647 ASTM D7647	>80 >20 >4	<u>▲</u> 507	99	148
Particles >6μm Particles >14μm Particles >21μm Particles >38μm Particles >71μm		ASTM D7647 ASTM D7647	>80 >20 >4	△ 507 △ 106	99 34 1 0	148 26 2
Particles >6μm Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647 ASTM D7647	>80 >20 >4	▲ 507 ▲ 106 2	99 34 1	148 26 2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No.

Lab Number

: KCPA016889 : 06140650 Unique Number : 10965458

Received **Tested**

: 08 Apr 2024 Diagnosed Test Package : IND 2 (Additional Tests: KF, PrtCount)

: 08 Apr 2024 - Doug Bogart

: 05 Apr 2024

8140 MARSHALL DR LENEXA, KS US 66214 Contact: CAMERON HULBERT

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. cameron.hulbert@essilorusa.com T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: DUFLEN [WUSCAR] 06140650 (Generated: 04/08/2024 15:42:56) Rev: 1

Contact/Location: CAMERON HULBERT - DUFLEN

F: