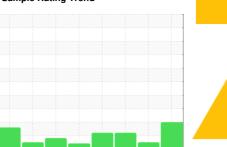


OIL ANALYSIS REPORT

Sample Rating Trend



ISO

/lachine Id

KAESER AS 20T 5616977 (S/N 1139)

Component

Compressor

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.

		Mar2017 #	Apr2018 Aug2019 Jun20	20 Feb2021 Mar2022 Feb2023	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013687	KCP55882	KCP41088
Sample Date		Client Info		15 Mar 2024	28 Feb 2023	08 Mar 2022
Machine Age	hrs	Client Info		33950	29544	24780
Oil Age	hrs	Client Info		4000	4818	5000
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	0	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	38	49	53
Tin	ppm	ASTM D5185m	>10	0	0	<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	0	1	0
Molybdenum	ppm	ASTM D5185m		3	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	90	7	6	<1
Calcium	ppm	ASTM D5185m	2	<1	<1	0
Phosphorus	ppm	ASTM D5185m		0	1	2
Zinc	ppm	ASTM D5185m		63	65	51
Sulfur	ppm	ASTM D5185m		20628	17815	14618
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Sodium	ppm	ASTM D5185m		3	2	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304		0.005	0.008	0.004
ppm Water	ppm	ASTM D6304	>500	58	80.8	47.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		14063	1759	
Particles >6µm		ASTM D7647		<u>▲</u> 3792	455	
Particles >14µm		ASTM D7647	>80	▲ 350	32	
Particles >21µm		ASTM D7647	>20	<u>120</u>	8	
Particles >38µm		ASTM D7647	>4	<u>^</u> 6	0	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>21/19/16</u>	18/16/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	1/011/	10T11 D0015	0 4			

0.32

0.36

0.339



OIL ANALYSIS REPORT

