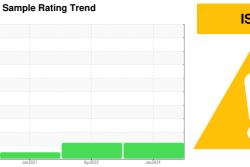


OIL ANALYSIS REPORT



ISO

2289046 (S/N 1095)

Component

Compressor

KAESER SIGMA (OEM) M-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.

		Jar	2021	Apr2022 Jan203	24	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA011961	KCP40831	KCP30794
Sample Date		Client Info		10 Jan 2024	22 Apr 2022	26 Jan 2021
Machine Age	hrs	Client Info		57944	55327	53154
Oil Age	hrs	Client Info		0	2500	2000
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
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	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	6	6	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				0
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	0	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	0	1	<1
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	2	53	231
Zinc	ppm	ASTM D5185m	0	9	15	0
Sulfur	ppm	ASTM D5185m	23500	16719	15673	503
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	1	6
Sodium	ppm	ASTM D5185m		7	0	0
Potassium	ppm		>20	<1	1	0
Water	%	ASTM D6304		0.006	0.003	0.002
ppm Water	ppm	ASTM D6304	>500	61	35.2	23.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		12182	12056	4276
Particles >6µm		ASTM D7647		<u>^</u> 2727	<u>\$\times\$ 2526</u>	983
Particles >14μm		ASTM D7647	>80	<u>^</u> 108	1 15	61
Particles >21μm		ASTM D7647	>20	18	22	12
Particles >38μm		ASTM D7647	>4	0	1	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 21/19/14	<u>^</u> 21/19/14	17/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT

