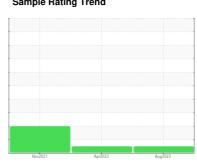


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



5778983 (S/N 1040)

Component

Compressor

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

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		No	v2021	Apr2023 Aug202	13	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA002966	KCPA002744	KCP39900
Sample Date		Client Info		20 Aug 2023	17 Apr 2023	03 Nov 2021
Machine Age	hrs	Client Info		43427	40511	31767
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	<1
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	<1
Aluminum	ppm	ASTM D5185m	>10	<1	0	0
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	12	7	12
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	1
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	100	0	19	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	<1	4	3
Zinc	ppm	ASTM D5185m	0	0	8	0
Sulfur	ppm	ASTM D5185m	23500	21425	22176	17757
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	8
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.05	0.008	0.005	△ 0.194
ppm Water	ppm	ASTM D6304	>500	82.1	53.6	<u> </u>
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		449	711	
Particles >6µm		ASTM D7647	>1300	187	147	
Particles >14µm		ASTM D7647	>80	26	8	
Particles >21µm		ASTM D7647	>20	10	2	
Particles >38µm		ASTM D7647	>4	1	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	16/15/12	17/14/10	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	ma K∩⊔/a	VSTM D804E	1.0	0.50	0.55	0.672



OIL ANALYSIS REPORT

