

OIL ANALYSIS REPORT

KAESER SM 10 5696512 (S/N 2280) Component

Compressor

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

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

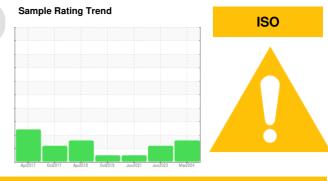
All component wear rates are normal.

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.



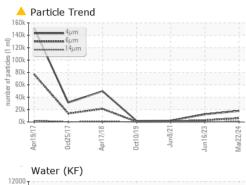
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015044	KCPA002152	KCP33912
Sample Date		Client Info		22 Mar 2024	16 Jun 2023	08 Jun 2021
Machine Age	hrs	Client Info		56955	50304	33283
Oil Age	hrs	Client Info		11924	0	5878
Oil Changed		Client Info		Changed	N/A	Not Changd
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		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead		ASTM D5185m	>10	0	0	0
	ppm	ASTM D5185m		10	5	4
Copper Tin	ppm		>50 >10	0	5	4 <1
	ppm		>10	-		
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	16
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	<1	38	24
Calcium	ppm	ASTM D5185m	0	0	2	0
Phosphorus	ppm	ASTM D5185m	0	0	3	4
Zinc	ppm	ASTM D5185m	0	27	16	15
Sulfur	ppm	ASTM D5185m	23500	21423	24150	16161
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	0
Sodium	ppm	ASTM D5185m		2	9	6
Potassium	ppm	ASTM D5185m	>20	<1	2	0
Water	%	ASTM D6304	>0.05	0.007	0.017	0.012
ppm Water	ppm	ASTM D6304	>500	80	172.1	121.3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		17888	12327	2113
Particles >6µm		ASTM D7647	>1300	6123	▲ 2785	814
Particles >14µm		ASTM D7647	>80	▲ 741	▲ 122	37
Particles >21µm		ASTM D7647	>20	<u> </u>	20	4
Particles >38µm		ASTM D7647	>4	4	1	0
Particles >71µm		ASTM D7647		1	1	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	A 21/20/17	▲ 21/19/14	17/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.39	0.45	0.397
	ing NOR/g	AG HVI DOU40	1.0	0.39	0.40	0.03/

Acid Number (AN) Report Id: OLDLAV [WUSCAR] 06134027 (Generated: 04/03/2024 12:57:51) Rev: 1

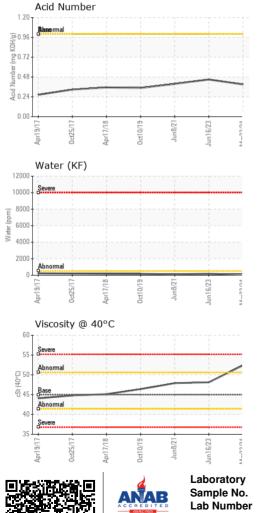
0.397 Contact/Location: SERVICE MANAGER ? - OLDLAV



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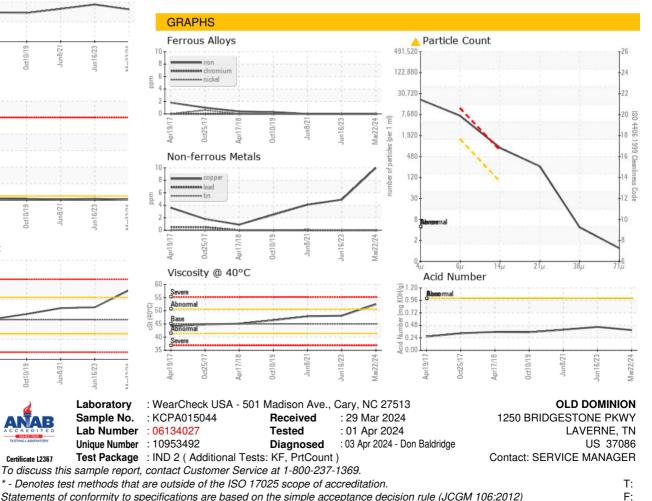








Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367