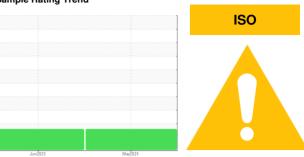


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER SM 15T 8301181 (S/N 1168)

Component Compressor

KAESER SIGMA (OEM) M-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.

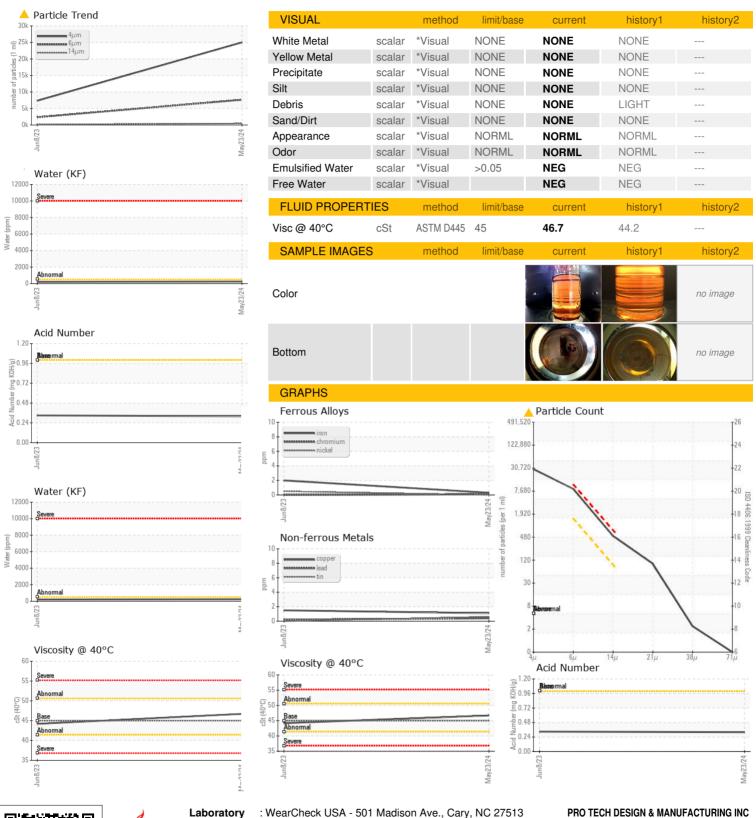
Fluid Condition

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

			Jun 2023	May2024		
CAMPLE INCOR	AATIONI	and the second	11		la faction and	la la tara co
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018067	KCPA003335	
Sample Date		Client Info		23 May 2024	08 Jun 2023	
Machine Age	hrs	Client Info		3412	1383	
Oil Age	hrs	Client Info		2020	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				ABNORMAL	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	2	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m	>3	0	<1	
Titanium	ppm	ASTM D5185m	>3	<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	2	0	
Lead	ppm	ASTM D5185m	>10	<1	<1	
Copper	ppm	ASTM D5185m	>50	1	2	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	24	47	
Molybdenum	ppm	ASTM D5185m	0	<1	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	100	70	83	
Calcium	ppm	ASTM D5185m	0	4	5	
Phosphorus	ppm	ASTM D5185m	0	18	3	
Zinc	ppm	ASTM D5185m	0	6	7	
Sulfur	ppm	ASTM D5185m	23500	21885	22155	
CONTAMINANTS	<u> </u>	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	
Sodium	ppm	ASTM D5185m		21	20	
Potassium	ppm	ASTM D5185m	>20	4	2	
Water	%	ASTM D6304	>0.05	0.024	0.021	
ppm Water	ppm	ASTM D6304	>500	244	211.3	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		25001	7348	
Particles >6μm		ASTM D7647	>1300	△ 7637	2337	
Particles >6µm		ASTM D7647	>80	▲ 452	154	
Particles >14µm		ASTM D7647	>20	▲ 452 ▲ 85	32	
Particles >38µm		ASTM D7647 ASTM D7647	>4	2	1	
·		ASTM D7647		0	0	
Particles >71µm Oil Cleanliness		ISO 4406 (c)	>3	0 ▲ 22/20/16	20/18/14	
	TION	. ,				
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.32	0.33	



OIL ANALYSIS REPORT







Laboratory

Sample No. Lab Number

: 06195424

: KCPA018067 Unique Number : 11057547

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 30 May 2024

Tested : 31 May 2024 Diagnosed

: 31 May 2024 - Angela Borella

4041 EXPRESS ST ARLINGTON, TX US 76001

Contact: SERVICE MANAGER

Test Package : IND 2 (Additional Tests: KF, PrtCount) Certificate 12367 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: SERVICE MANAGER ? - PROARL

T:

F: