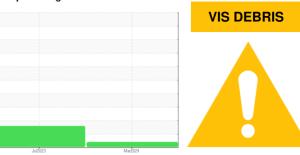


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

4926142 (S/N 1010)

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. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

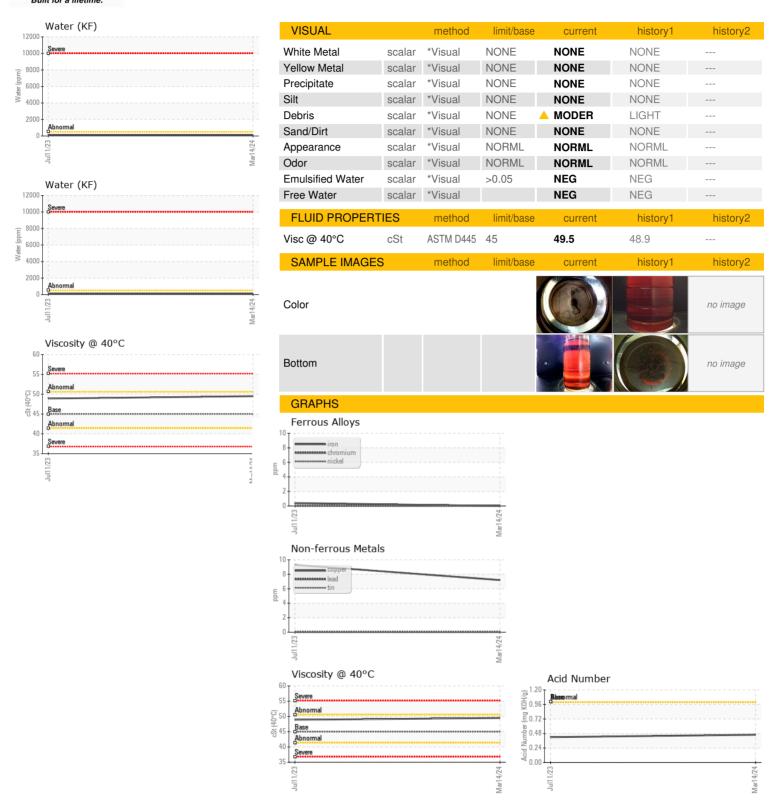
Fluid Condition

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

			Jul2023	Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA014859	KCPA003376	
Sample Date		Client Info		14 Mar 2024	11 Jul 2023	
Machine Age	hrs	Client Info		60677	57267	
Oil Age	hrs	Client Info		3406	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	7	9	
Tin	ppm	ASTM D5185m	>10	0	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	0	2	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	100	0	7	
Calcium	ppm	ASTM D5185m	0	<1	0	
Phosphorus	ppm	ASTM D5185m	0	6	0	
Zinc	ppm	ASTM D5185m	0	10	35	
Sulfur	ppm	ASTM D5185m	23500	19620	21371	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	0	<1	
Water	%	ASTM D6304	>0.05	0.009	0.008	
ppm Water	ppm	ASTM D6304	>500	91	87.5	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			7509	
Particles >6µm		ASTM D7647	>1300		<u>\$\text{2328}\$</u>	
Particles >14μm		ASTM D7647	>80		<u>184</u>	
Particles >21µm		ASTM D7647	>20		<u></u> 51	
Particles >38μm		ASTM D7647	>4		2	
Particles >71µm		ASTM D7647	>3		0	
Oil Cleanliness		ISO 4406 (c)	>/17/13		<u>^</u> 20/18/15	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.46	0.42	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06145873 Unique Number : 10975951

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA014859

Received **Tested** Diagnosed

: 11 Apr 2024 : 15 Apr 2024

: 15 Apr 2024 - Don Baldridge

GAVIN HOLDINGS 139 INDUSTRIAL WAY BUELLTON, CA US 93427 Contact: Service Manager

Test Package : IND 2 (Additional Tests: KF, PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

T:

F: