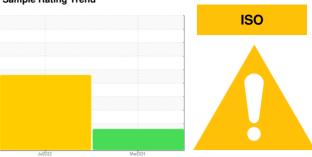


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER SX 7.5 4523600 - 1071

Component Compressor

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

DIAGNOSIS

Recommendation

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.

			Jul2022	Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015983	KCP51559	
Sample Date		Client Info		21 Mar 2024	07 Jul 2022	
Machine Age	hrs	Client Info		50058	35189	
Oil Age	hrs	Client Info		2993	26355	
Oil Changed	0	Client Info		Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
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	<1	
Aluminum	ppm	ASTM D5185m	>10	0	0	
Lead	ppm	ASTM D5185m	>10	<1	<1	
Copper	ppm	ASTM D5185m	>50	14	▲ 57	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m	710	<1	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	9	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	100	12	<1	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	<1	4	
Zinc	ppm	ASTM D5185m	0	36	31	
Sulfur	ppm	ASTM D5185m	23500	19044	16749	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	
Sodium	ppm	ASTM D5185m	720	3	0	
Potassium	ppm	ASTM D5185m	>20	0	1	
Water	%	ASTM D6304	>0.05	0.010	▲ 0.250	
ppm Water	ppm	ASTM D6304	>500	100	△ 2500	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4540	2338	
Particles >6µm		ASTM D7647	>1300	1634	1274	
Particles >14µm		ASTM D7647	>80	185	<u>^</u> 217	
Particles >21µm		ASTM D7647	>20	△ 59	<u>^</u> 73	
Particles >38µm		ASTM D7647	>4	4	<u> 11</u>	
Particles >71µm		ASTM D7647	>3	0	1	
Oil Cleanliness		ISO 4406 (c)	>/17/13	▲ 19/18/15	▲ 18/17/15	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A sid Number (AN)	1/011/	ACTM DODAE	1.0	0.44	- Inotory I	Thotol y Z

Acid Number (AN)

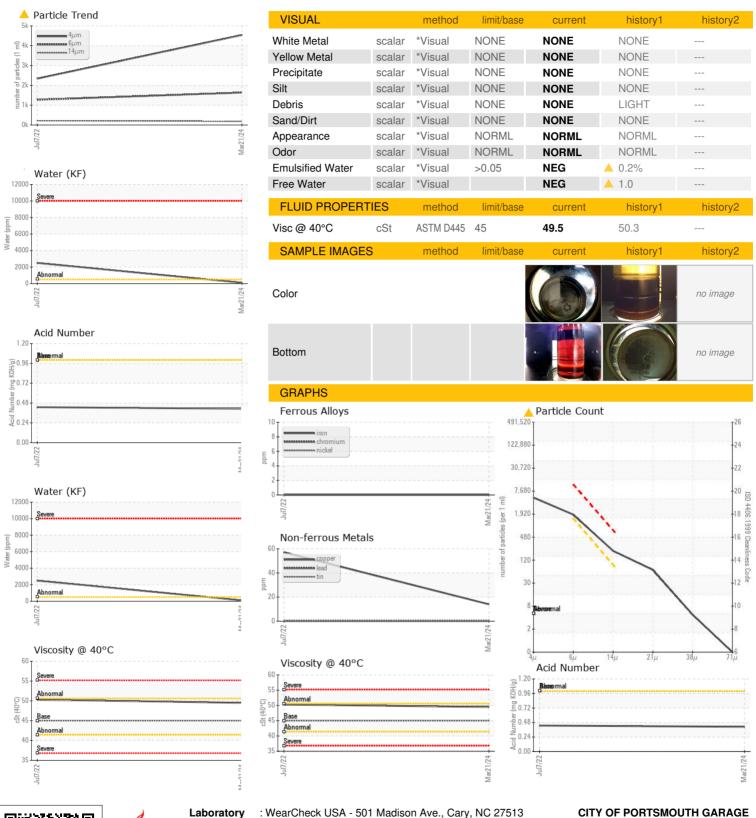
mg KOH/g ASTM D8045 1.0

0.43

0.41



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: KCPA015983 Lab Number : 06143109 Unique Number: 10967917

Received **Tested**

: 10 Apr 2024 Diagnosed Test Package : IND 2 (Additional Tests: KF, PrtCount)

: 09 Apr 2024

: 11 Apr 2024 - Angela Borella

55 MARYANN ST PORTSMOUTH, OH US 45662 Contact: D. EASTER deaster@portsmouthoh.org

 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Report Id: CITPOROH [WUSCAR] 06143109 (Generated: 04/11/2024 19:57:22) Rev: 1

Contact/Location: D. EASTER - CITPOROH

T:

F: