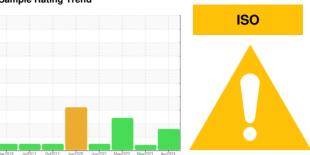


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER BSD 50 5399060 (S/N 1415)

Component Compressor

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

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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.

		Sep 2016 .	Jul2017 Oct2017 Jun20:	20 Jun2021 May2022 May2023	Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC129310	KC101485	KC107399
Sample Date		Client Info		01 Apr 2024	08 May 2023	25 May 2022
Machine Age	hrs	Client Info		19789	17840	14300
Oil Age	hrs	Client Info		1949	3000	2300
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	3	2
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	3	4	7
Tin	ppm	ASTM D5185m	>10	<1	1	0
Antimony	ppm	ASTM D5185m				
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	2
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	90	28	17	3
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		0	1	2
Zinc	ppm	ASTM D5185m		9	17	27
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	0
Sodium	ppm	ASTM D5185m		8	4	1
Potassium	ppm	ASTM D5185m	>20	6	2	0
Water	%	ASTM D6304	>0.05	0.017	0.012	0.012
ppm Water	ppm	ASTM D6304	>500	176	122.9	129.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		11678		28898
Particles >6µm		ASTM D7647	>1300	<u></u> 3011		△ 6966
Particles >14μm		ASTM D7647	>80	<u> </u>		▲ 391
Particles >21µm		ASTM D7647	>20	<u>^</u> 79		1 00
Particles >38μm		ASTM D7647	>4	3		1 6
Particles >71μm		ASTM D7647	>3	0		<u>^</u> 2
Oil Cleanliness		ISO 4406 (c)	>/17/13	2 1/19/15		22/20/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.38

Acid Number (AN)

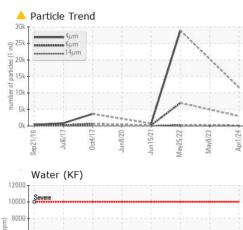
mg KOH/g ASTM D8045 0.4

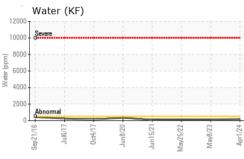
0.40

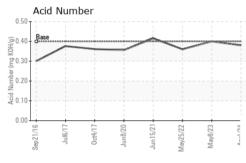
0.36

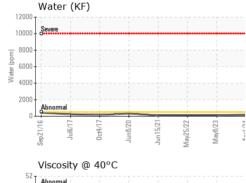


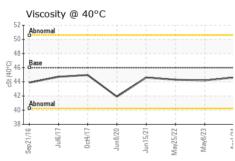
OIL ANALYSIS REPORT



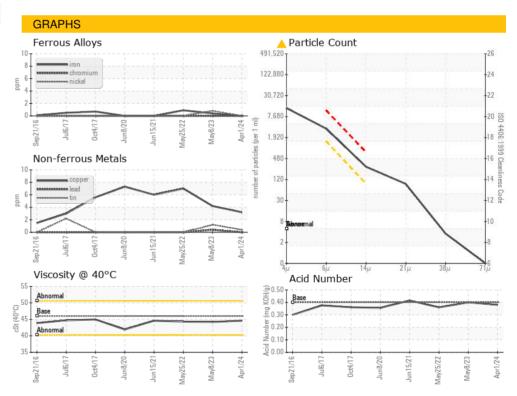
















Certificate 12367

Laboratory Sample No.

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KC129310 Lab Number : 06139888 Unique Number : 10964696

Received **Tested**

: 05 Apr 2024 : 08 Apr 2024

Diagnosed : 08 Apr 2024 - Don Baldridge

ARMSTRONG POWER 2313 STATE ROUTE 156

SHELOCTA, PA US 15774

Contact:

T:

F:

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)