

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

7407778 (S/N 1088)

Compressor

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

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

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

				Nov2022		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC96134		
Sample Date		Client Info		14 Nov 2022		
Machine Age	hrs	Client Info		14720		
Oil Age	hrs	Client Info		6000		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	8		
Tin		ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m	>10	0		
	ppm			-		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m	90	1		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	90	<1		
Calcium	ppm	ASTM D5185m	2	0		
Phosphorus	ppm	ASTM D5185m		4		
Zinc	ppm	ASTM D5185m		0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0		
Sodium	ppm	ASTM D5185m	00	0		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.05	0.007		
ppm Water	ppm	ASTM D6304	>500	78.2		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2420		
Particles >6µm		ASTM D7647	>1300	436		
Particles >14μm		ASTM D7647	>80	35		
Particles >21µm		ASTM D7647	>20	16		
Particles >38µm		ASTM D7647	>4	3		
Particles >71μm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

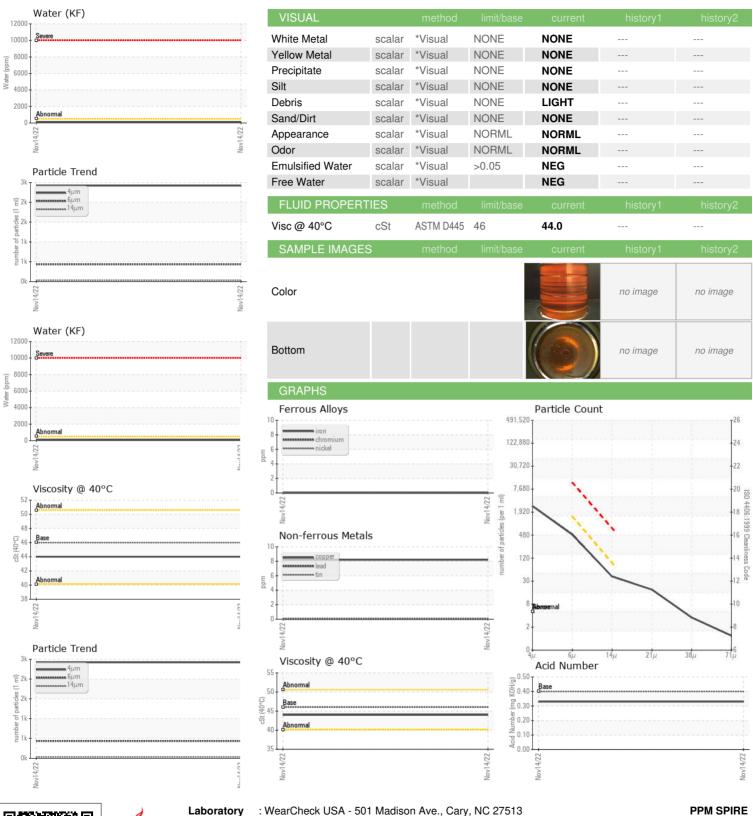
Acid Number (AN)

mg KOH/g ASTM D8045 0.4

0.33



OIL ANALYSIS REPORT





Certificate 12367

Sample No.

: KC96134 Lab Number : 05746265 Unique Number : 10305869 Test Package : IND 2

Received : 23 Jan 2023 **Tested**

: 24 Jan 2023 Diagnosed : 25 Jan 2023 - Don Baldridge 3350 SUNCREST RD MOBILE, AL US 36613

Contact: Service Manager

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)

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