

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER CSD 110 9318558 (S/N 1002)

Component Compressor

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

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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.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
		Client Info		KCPA017736				
Sample Number		Client Info		04 Jun 2024				
Sample Date Machine Age	hrs	Client Info		3040				
Oil Age	hrs	Client Info		3040				
Oil Changed	1113	Client Info		Changed				
Sample Status		Oliciti IIIIo		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	ppm	ASTM D5185m	>10	0				
Vanadium	ppm	ASTM D5185m		<1				
Cadmium	ppm	ASTM D5185m		0				
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m		0				
Barium	ppm	ASTM D5185m	90	0				
Molybdenum	ppm	ASTM D5185m		0				
Manganese	ppm	ASTM D5185m		0				
Magnesium	ppm	ASTM D5185m	90	7				
Calcium	ppm	ASTM D5185m	2	0				
Phosphorus	ppm	ASTM D5185m		1				
Zinc	ppm	ASTM D5185m		7				
Sulfur	ppm	ASTM D5185m		20207				
CONTAMINANTS		method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	<1				
Sodium	ppm	ASTM D5185m		6				
Potassium	ppm	ASTM D5185m	>20	<1				
Water	%	ASTM D6304	>0.05	0.011				
ppm Water	ppm	ASTM D6304	>500	110				
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647		724				
Particles >6µm		ASTM D7647	>1300	205				
Particles >14µm		ASTM D7647	>80	20				
Particles >21µm		ASTM D7647	>20	5				
Particles >38μm		ASTM D7647	>4	0				
Particles >71µm		ASTM D7647	>3	0				
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/15/11				
FLUID DEGRADA	TION	method	limit/base	current	history1	history2		
Aoid Number (AN)	ma 1/011/-	ACTM DODAE	0.4	0.42				

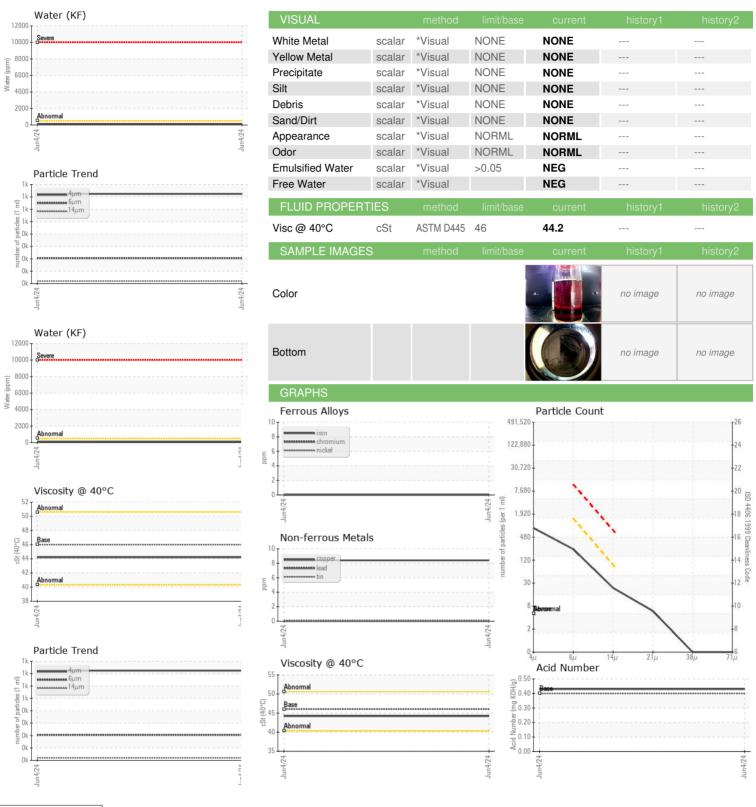
Acid Number (AN)

mg KOH/g ASTM D8045 0.4

0.43



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06205430

: KCPA017736 Unique Number : 11072891

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Jun 2024 **Tested** : 13 Jun 2024

Diagnosed : 13 Jun 2024 - Don Baldridge

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)

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Report Id: HEAKAN [WUSCAR] 06205430 (Generated: 06/14/2024 07:25:12) Rev: 1

Contact/Location: R. ROLLINGS - HEAKAN

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