

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER CSD 100 2311357 (S/N 1022)

Component Compressor

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

Recommendation

Resample at the next service interval to monitor.

Wear

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.

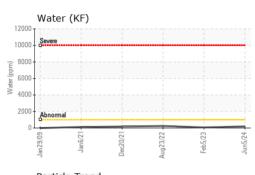
Fluid Condition

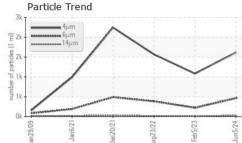
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

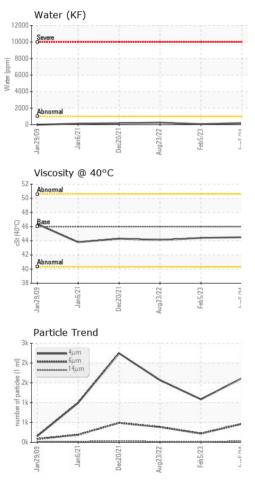
Sample Number Client Info KC12810 KC108170 KC95203 Sample Date Client Info 05 Jun 2024 05 Feb 2023 23 Aug 2022 Machine Age hrs Client Info 96705 83963 82539 Oil Age hrs Client Info Not Changd Not Changd Not Changd Sample Status method Imit/base Nor Changd Nor MAL NORMAL NORMAL WEAR METALS method Imit/base off history Nor Motion Iron ppm ASTM 05185n >50 0 0 0 Iron ppm ASTM 05185n >50 0 0 0 Silver ppm ASTM 05185n >50 0 0 0 Copper ppm ASTM 05185n >50 5 4 2 1 Antimory ppm ASTM 05185n >50 0 0 0 0 Antimory ppm ASTM 05185n <t< th=""><th>SAMPLE INFORM</th><th>IATION</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 86705 83963 82359 Oil Age hrs Client Info 2600 3000 1156 Oil Changed Client Info Not Changed Not Changed Not Changed Sample Status method Imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 0 0 Nickel ppm ASTM D5185m >10 <1 0 0 Nickel ppm ASTM D5185m >10 <1 0 0 Silver ppm ASTM D5185m >25 2 0 <1 Lead ppm ASTM D5185m >25 0 0 0 Antimony ppm ASTM D5185m >15 <1 0 0 Antimony ppm ASTM D5185m >15 <1 0 0 Antimony ppm ASTM D5185m >15 <1 0 0	Sample Number		Client Info		KC128610	KC108170	KC95205
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Sample Status method Imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 0 0 Nickel ppm ASTM D5185m >10 <1 0 0 Nickel ppm ASTM D5185m >10 <1 0 0 Nickel ppm ASTM D5185m >25 2 0 <1 Lead ppm ASTM D5185m >25 0 0 0 Copper ppm ASTM D5185m >55 5 4 2 Tin ppm ASTM D5185m >55 5 4 2 Copper ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 </th <th>Oil Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>2600</th> <th>3000</th> <th>1156</th>	Oil Age	hrs	Client Info		2600	3000	1156
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Titanium ppm ASTM D5185m <1	Nickel	ppm	ASTM D5185m		0	0	0
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ppm Water ppm ASTM D6304 >1000 195 68.8 249.0 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 1618 1084 1569 Particles >6µm ASTM D7647 >1300 465 221 386 Particles >6µm ASTM D7647 >160 29 9 17 Particles >14µm ASTM D7647 >100 9 2 4 Particles >21µm ASTM D7647 >10 0 0 2 Particles >38µm ASTM D7647 >3 0 0 0 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/14 18/16/12 17/15/10 18/16/11 FLUID DEGRADATION method limit/base current history1 history2	Potassium	ppm	ASTM D5185m	>20	3	2	0
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Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/14 18/16/12 17/15/10 18/16/11 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>40	9	2	4
Oil Cleanliness ISO 4406 (c) >/17/14 18/16/12 17/15/10 18/16/11 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>10	0	0	2
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0	0	0
	Oil Cleanliness		ISO 4406 (c)	>/17/14	18/16/12	17/15/10	18/16/11
Acid Number (AN) mg KOH/g ASTM D8045 0.4 0.39 0.35 0.35	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.39	0.35	0.35



OIL ANALYSIS REPORT

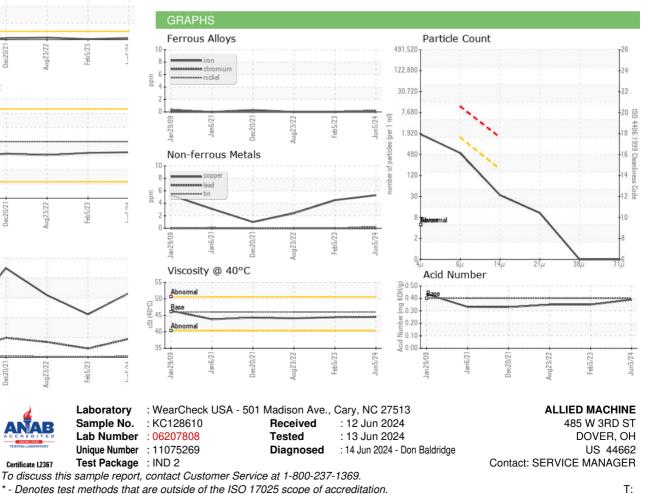






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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
		and the second	Dens 11 /les et al.			
FLUID PROPERT	IES	method				history2
Visc @ 40°C	cSt	ASTM D445	limit/base	44.5	history1 44.4	44.1
	cSt					
Visc @ 40°C	cSt	ASTM D445	46	44.5	44.4	44.1



* - 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)

Report Id: ALLDOV [WUSCAR] 06207808 (Generated: 06/15/2024 10:42:14) Rev: 1

Certificate 12367

Contact/Location: SERVICE MANAGER ? - ALLDOV

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