

OIL ANALYSIS REPORT

Sample Rating Trend



KAESER SM 10 8715738 (S/N 1807)

Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The 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 moderate amount of particulates present in the oil.

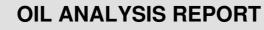
Fluid Condition

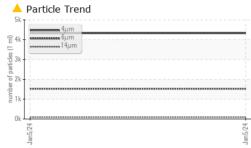
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

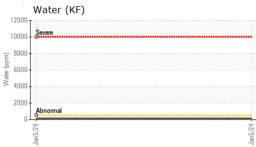
Sample Number Client Info KCPA011968 Sample Date hrs Client Info 05 Jan 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info N/A Sample Status Imit/base current History1 History1 WEAR METALS method Imit/base current History1 history2 Iron ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >10 1 Auminum ppm ASTM D5185m >10 1 Lead ppm ASTM D5185m >10 1 Vanadium ppm ASTM D5185m 0 1 Vanadium ppm ASTM D5185m 0 1 Roren					Jan2024		
Sample Date Client Info 05 Jan 2024 Machine Age hrs Client Info 51421 Oil Age hrs Client Info N/A Sample Status Client Info N/A WEAR METALS method Imit/base current history1 history1 Iron ppm ASTM 05185m >50 <1 WEAR METALS method imit/base current history1 history1 Iron ppm ASTM 05185m >3 0 Nickel ppm ASTM 05185m >10 1 Aluminum ppm ASTM 05185m 10 2 Vanadium ppm ASTM 05185m 0 1 Vanadium ppm ASTM 05185m 0 Addenium ppm <th>SAMPLE INFORM</th> <th>IATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 51421 Oil Age hrs Client Info 0 Sample Status Imit/base Current History1 WEAR METALS method Imit/base current History1 WEAR METALS method Imit/base current History1 Nickel ppm ASTM D5185m >3 <1	Sample Number		Client Info		KCPA011968		
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Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 <1	Chromium	ppm	ASTM D5185m	>10	0		
Silver ppm ASTM D5185m >2 <1	Nickel	ppm	ASTM D5185m	>3	<1		
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FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0		
	Oil Cleanliness		ISO 4406 (c)	>/17/13	19/18/14		
Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.34	FLUID DEGRADA		method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.34		

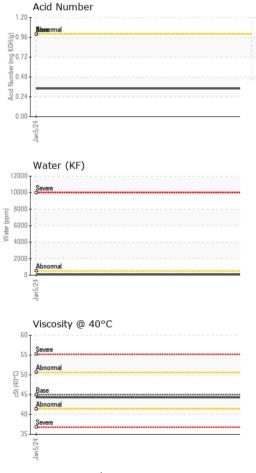


Built for a lifetime."









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			method				history
	VISUAL White Metal	scalar	*Visual	NONE	LIGHT		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
/24	Appearance	scalar	*Visual	NORML	NORML		
Jan5/24	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.05	NEG		
	Free Water	scalar	*Visual	>0.05	NEG		
	FLUID PROPER			line it /le e e e			
	Visc @ 40°C	cSt	method ASTM D445	limit/base 45	current 44.3	history1	history
							la la tam
	SAMPLE IMAGE	5	method	limit/base	current	history1	history
Jan5/24	Color					no image	no image
	Bottom					no image	no image
	GRAPHS						
	Ferrous Alloys				Particle Coun	t	
	¹⁰ iron			491,520	1		
	6 - management of the second s			122,880			
bbu	0						
R.M.	4.			20.720			
	4			30,720	-		
	2			7,680			
	2			7,680			
	1			7,680	· · · ·	.	
	Non-ferrous Meta	s		7,680			
	Non-ferrous Meta	ls	******	7,680			
	Non-ferrous Meta	ls		7,680 62/5 uer fuer 1 and 1,920 for 1 and septement 1,920 for 1 and septement 1,920 for 1 and			
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	Non-ferrous Meta	ls		7,680 (ie 1 ad) september 480 september 480 120 30 30 8	Bereemal		
	Non-ferrous Meta	ls		7,680 1,920 1,	Bbreemal	144 214	364 7
цф	Non-ferrous Meta	ls		7,680 (in 1.920 FZ/Suer FZ/SUE FZ/	Bbreemal Acid Number	14µ 21µ	38μ 7
щd	Non-ferrous Meta	ls		7,680 1,920 (inc 1, ad) sappined jo angunu 300 470 guer 480 480 52 guer 480 480 480 52 guer 480 480 480 480 480 480 480 480 480 480 480 480 480 490	Bbreemal Acid Number	14µ 21µ	38µ 7
цц	Non-ferrous Meta	ls		7,680 1,920 (inc 1, ad) sappined jo angunu 300 470 guer 480 480 52 guer 480 480 480 52 guer 480 480 480 480 480 480 480 480 480 480 480 480 480 490	Bbreemal Acid Number	14μ 21μ	
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cSt (40°C) ppm	Non-ferrous Meta	ls		7,680 1,920 (inc 1, ad) sappined jo angunu 300 470 guer 480 480 52 guer 480 480 480 52 guer 480 480 480 480 480 480 480 480 480 480 480 480 480 490	Bbreemal Acid Number	14μ 21μ	38µ 7
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ost (40°C)	Non-ferrous Meta	Is		7,680 1,920 1	Acid Number	14μ 21μ	36μ 7
ost (40°C)	Non-ferrous Meta	ls		7,680 1,920 (inc 1, ad) sappined jo angunu 300 470 guer 480 480 52 guer 480 480 480 52 guer 480 480 480 480 480 480 480 480 480 480 480 480 480 490	Bbreemal Acid Number	14μ 21μ	
tory No. mber Jumber ckage	Non-ferrous Meta	501 Madi Recieve Diagnos Diagnosi ests: KF,	d : 01 ed : 04 tician : Dor PrtCount)	7,680 480 480 1,920 480 120 30 480 480 120 30 480 480 120 30 480 480 120 30 480 480 120 30 480 480 120 30 480 480 30 480 480 30 480 480 30 480 480 30 480 480 480 480 480 480 480 48	Acid Number	CELA 13795	DON SYSTE FRONTIER RNSVILLE, US 55

To discuss this sample repo * - 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)

Certificate L2367

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