

OIL ANALYSIS REPORT

KAESER KAESER 1 (S/N 1056)

Component Air Compressor Fluid

USPI AIR 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

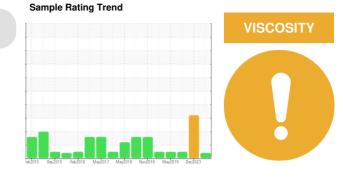
All component wear rates are normal.

Contamination

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

Fluid Condition

The oil viscosity is higher than normal. Confirmed. The AN level is acceptable for this fluid.



Sample Date Client Info 07 Apr 2024 03 Dec 2023 11 N Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status nethod imit/base current history1 Iron ppm ASTM D5185m >50 <1 0 0 Nickel ppm ASTM D5185m >4 <1 0 0 Silver ppm ASTM D5185m >3 <1 0 0 Aluminum ppm ASTM D5185m >3 <1 0 0 Cadd ppm ASTM D5185m >20 0 0 0 Autiminum ppm ASTM D5185m >5 <1 0 < Autiminum ppm ASTM D5185m 0 0 0 0 Vanadium pp	SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 0 Oil Age hrs Client Info N/A N/A N/A N/A Sample Status method imil/base current history1 N/A N/A N/A Iron ppm ASTM D5185m >50 <1	ample Number		Client Info		USPM36652	USP242145	USPM15428
Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status Imitibase Current History1 WeAR METALS method Imitibase current History1 Iron ppm ASTM D5185m >50 <1	ample Date		Client Info		07 Apr 2024	03 Dec 2023	11 Nov 2019
Oil Changed Client Info N/A N/A N/A N/A Sample Status method limit/base current history1 WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >50 <1	achine Age	hrs	Client Info		0	0	0
Sample Status ATTENTION ABNORMAL NOF WEAR METALS method limit/base current history1 Iron ppm ASTM 05185m >50 <1	il Age	hrs	Client Info		0	0	0
WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >50 <1	il Changed		Client Info		N/A	N/A	N/A
Iron ppm ASTM D5185m >50 <1 0 < Chromium ppm ASTM D5185m >4 <1	ample Status				ATTENTION	ABNORMAL	NORMAL
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Nickel ppm ASTM D5185m >4 0 0 0 Titanium ppm ASTM D5185m >3 <1	on	ppm	ASTM D5185m	>50	<1	0	<1
Titanium ppm ASTM D5185m >3 <1 0 0 Silver ppm ASTM D5185m >2 <1	hromium	ppm	ASTM D5185m	>4	<1	0	0
Titanium ppm ASTM D5185m >3 <1 0 0 Silver ppm ASTM D5185m >2 <1	ickel	ppm	ASTM D5185m	>4	0	0	0
Silver ppm ASTM D5185m >2 <1 0 0 Aluminum ppm ASTM D5185m >10 0 0 0 Lead ppm ASTM D5185m >20 0 0 0 Copper ppm ASTM D5185m >5 <1			ASTM D5185m	>3	<1	0	0
Aluminum ppm ASTM D5185m >10 0 0 0 Lead ppm ASTM D5185m >20 0 0 0 Copper ppm ASTM D5185m >5 <1					<1		
Lead ppm ASTM D5185m >20 0 0 0 Copper ppm ASTM D5185m >40 1 0 <				>10		0	0
Copper ppm ASTM D5185m >40 1 0 < Tin ppm ASTM D5185m >5 <1							
Tin ppm ASTM D5185m >5 <1 0 < Antimony ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m <1							<1
Antimony ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m <1							<1
Vanadium ppm ASTM D5185m <1 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 0 0 Manganese ppm ASTM D5185m 0 0 0 0 0 0 Magnesium ppm ASTM D5185m 0 -11 0 0 0 Calcium ppm ASTM D5185m 0 -11 0 -11 22 Zinc ppm ASTM D5185m 0 0 0 0 0 0 Sulfur ppm ASTM D5185m 0 6 <1 33 Sulfur ppm ASTM D5185m 22 0 0				-			
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Molybdenum ppm ASTM D5185m 0 0 0 0 0 Manganese ppm ASTM D5185m 0 <1							
Manganese ppm ASTM D5185m 0 <1 0 0 Magnesium ppm ASTM D5185m 0 <1					-		
Magnesium ppm ASTM D5185m 0 <1 0 0 Calcium ppm ASTM D5185m 0				0	-		
Calcium ppm ASTM D5185m 0 0 0 0 0 Phosphorus ppm ASTM D5185m 1 0 <1				0	-		
Phosphorus ppm ASTM D5185m 1 0 <1 2 Zinc ppm ASTM D5185m 0	•						
Zinc ppm ASTM D5185m 0 0 0 0 0 Sulfur ppm ASTM D5185m 0 6 <1					-	÷	÷
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Sodium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 2 0 0 Water % ASTM D6304 >0.2 0.026 0.021 0.0 ppm Water ppm ASTM D6304 >2000 264 210 46 FLUID CLEANLINESS method limit/base current history1 1284 19 Particles >4µm ASTM D7647 >1300 186 14 Particles >6µm ASTM D7647 >80 15 14 Particles >14µm ASTM D7647 >20 4 9 Particles >21µm ASTM D7647 >20 4 0 Particles >38µm ASTM D7647 >4 0 0 Particles >71µm ASTM D7647 >3 0 0	CONTAMINANTS						history2
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Water % ASTM D6304 >0.2 0.026 0.021 0.2 ppm Water ppm ASTM D6304 >2000 264 210 44 FLUID CLEANLINESS method limit/base current history1 Particles >4µm ASTM D7647 1284 19 Particles >6µm ASTM D7647 >1300 186 66 Particles >14µm ASTM D7647 >20 4 11 Particles >21µm ASTM D7647 >20 4 9 Particles >38µm ASTM D7647 >4 0 0 Particles >71µm ASTM D7647 >3 0 0	odium	ppm	ASTM D5185m			0	0
ppm Water ppm ASTM D6304 >2000 264 210 46 FLUID CLEANLINESS method limit/base current history1 Particles >4µm ASTM D7647 1284 19 Particles >6µm ASTM D7647 >1300 186 62 Particles >14µm ASTM D7647 >80 15 11 Particles >21µm ASTM D7647 >20 4 99 Particles >38µm ASTM D7647 >4 0 00 Particles >71µm ASTM D7647 >3 0 0							
FLUID CLEANLINESS method limit/base current history1 Particles >4μm ASTM D7647 1284 19 Particles >6μm ASTM D7647 >1300 186 62 Particles >14μm ASTM D7647 >80 15 11 Particles >21μm ASTM D7647 >20 4 9 Particles >38μm ASTM D7647 >4 0 0 Particles >71μm ASTM D7647 >3 0 0		%			0.026		0.046
Particles >4μm ASTM D7647 1284 19 Particles >6μm ASTM D7647 >1300 186 62 Particles >14μm ASTM D7647 >80 15 17 Particles >14μm ASTM D7647 >20 4 9 Particles >21μm ASTM D7647 >4 0 0 Particles >38μm ASTM D7647 >3 0 0	om Water	ppm	ASTM D6304	>2000	264	210	465.3
Particles >6μm ASTM D7647 >1300 186 62 Particles >14μm ASTM D7647 >80 15 11 Particles >21μm ASTM D7647 >20 4 9 Particles >38μm ASTM D7647 >4 0 0 Particles >71μm ASTM D7647 >3 0 0	FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >14μm ASTM D7647 >80 15 11 Particles >21μm ASTM D7647 >20 4 9 Particles >38μm ASTM D7647 >4 0 0 Particles >71μm ASTM D7647 >3 0 0	articles >4µm		ASTM D7647		1284		195
Particles >21μm ASTM D7647 >20 4 9 Particles >38μm ASTM D7647 >4 0 0 Particles >71μm ASTM D7647 >3 0 0	articles >6µm		ASTM D7647	>1300	186		62
Particles >38μm ASTM D7647 >4 0 0 Particles >71μm ASTM D7647 >3 0 0	articles >14µm		ASTM D7647	>80	15		11
Particles >71μm ASTM D7647 >3 0 0	articles >21µm		ASTM D7647	>20	4		9
	articles >38µm		ASTM D7647	>4	0		0
	articles >71µm		ASTM D7647	>3	0		0
			ISO 4406 (c)	>/17/13	17/15/11		15/13/11
FLUID DEGRADATION method limit/base current history1	FLUID DEGRADAT		method	limit/base	current	history1	history2
							0 249

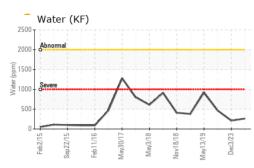
Acid Number (AN) mg KOH/g ASTM D Report Id: SWIGRA [WUSCAR] 06142318 (Generated: 04/10/2024 09:41:11) Rev: 1

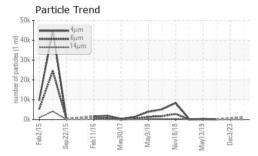
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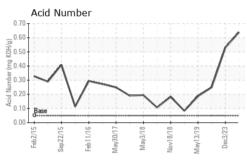
0.637 0.53 0.249 Contact/Location: RICK DUVAL - SWIGRA

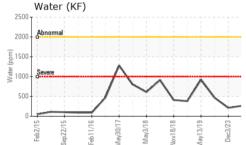


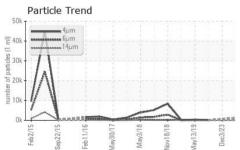
OIL ANALYSIS REPORT



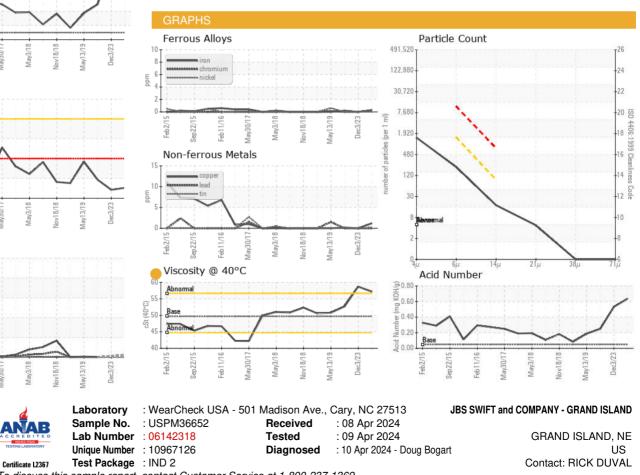








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	49.7	5 7.2	58.7	52.7
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						
Bottom						



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: SWIGRA [WUSCAR] 06142318 (Generated: 04/10/2024 09:41:12) Rev: 1

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