

OIL ANALYSIS REPORT

ISO

Sample Rating Trend

Machine Id

KAESER SK 19 2092012 (S/N 1248)

Component Compressor

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

DIAGNOSIS

Recommendation

Oil and 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 high 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.

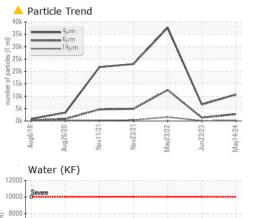
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA014458	KCPA003421	KCP44370
Sample Date		Client Info		14 May 2024	23 Jun 2023	23 May 2022
Machine Age	hrs	Client Info		32754	29975	28301
Dil Age	hrs	Client Info		2779	0	490
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	1	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	1	0	<1
Lead	ppm	ASTM D5185m	>10	0	<1	<1
Copper	ppm	ASTM D5185m	>50	3	<1	1
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	46	48
Nolybdenum	ppm	ASTM D5185m		0	0	0
Vanganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	90	44	87	71
Calcium	ppm	ASTM D5185m	2	0	3	4
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		17	4	3
Sulfur	ppm	ASTM D5185m		21690	19843	15761
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	0
Sodium	ppm	ASTM D5185m		17	6	6
Potassium	ppm	ASTM D5185m	>20	1	2	1
Water	%	ASTM D6304	>0.05	0.010	0.026	0.012
opm Water	ppm	ASTM D6304		103	265.7	129.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		10611	6654	37705
Particles >6µm		ASTM D7647	>1300	<u> </u>	1324	1 2523
		ASTM D7647	>80	<u> </u>	66	🔺 1565
Particles >14µm		ASTM D7647	>20	<u> </u>	14	4 31
		10111101011				
Particles >21µm		ASTM D7647	>4	0	0	🔺 16
Particles >21µm Particles >38µm				0	0	▲ 16 0
Particles >21µm Particles >38µm Particles >71µm		ASTM D7647				
Particles >14µm Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness FLUID DEGRADA	TION	ASTM D7647 ASTM D7647	>3	0	0	0

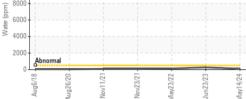
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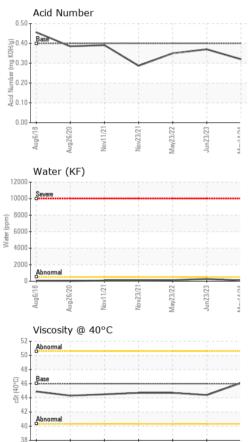
Contact/Location: Service Manager - UNIAURCO



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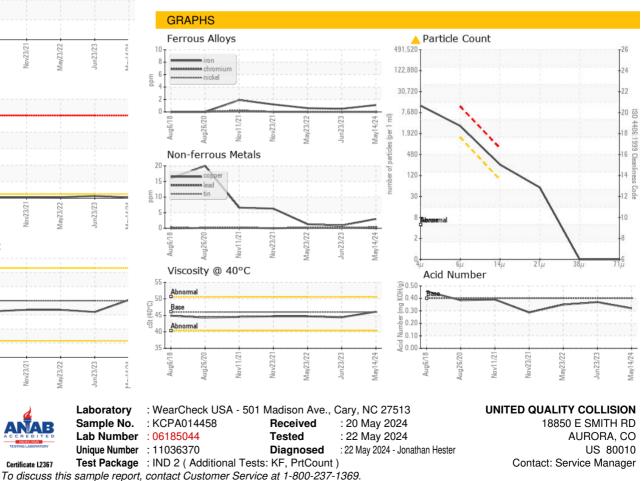






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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	>0.05	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	46	46.1	44.4	44.7
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color				•		
Bottom						



- * 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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Certificate 12367

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Contact/Location: Service Manager - UNIAURCO

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