

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 5005062 (S/N 1004)

Component Compressor Fluid KAESER SIGMA (OEM) M-460 (--- GAL)

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

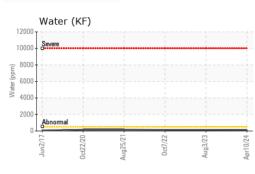
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015335	KCP48026D	KCP47237
Sample Date		Client Info		10 Apr 2024	03 Aug 2023	07 Oct 2022
Machine Age	hrs	Client Info		53647	10925	40835
Oil Age	hrs	Client Info		3000	0	3000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m		0	2	0
Lead			>10	0	0	0
	ppm	ASTM D5185m ASTM D5185m		11	14	11
Copper	ppm					
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	100	17	20	37
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	4	2	10
Zinc	ppm	ASTM D5185m	0	54	56	103
Sulfur	ppm	ASTM D5185m	23500	22710	21496	22659
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	1
Sodium	ppm	ASTM D5185m	20	8	9	14
Potassium	ppm	ASTM D5185m	>20	۲ ۲	0	0
Water	%	ASTM D6304		0.011	0.013	0.013
ppm Water	ppm	ASTM D6304	>500	119	135.5	135.6
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		869		2333
Particles >6µm		ASTM D7647	>1300	173		1069
Particles >14µm		ASTM D7647	>80	13		2 25
Particles >21µm		ASTM D7647		3		▲ 57
Particles >38µm		ASTM D7647	>4	0		4
Particles >71µm		ASTM D7647		0		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	0 17/15/11		▲ 18/17/15
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.40	0.35	0.42
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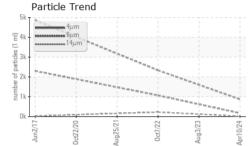
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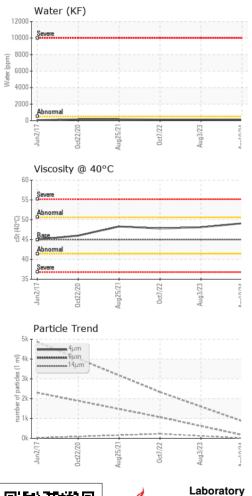
Contact/Location: SERVICE MANAGER ? - CARGARTX



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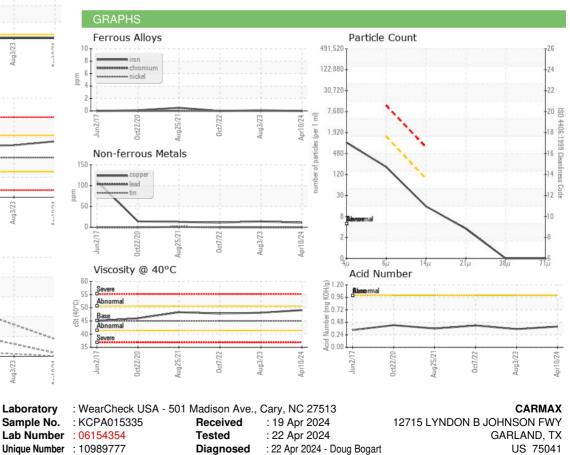






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Sand/Dirt	scalar	*Visual	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 PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	49.1	48.1	47.8
SAMPLE IMAGES	6	method				history2
Color						

Bottom



Unique Number : 10989/// Diagnosed Certificate 12367 Test Package : IND 2 (Additional Tests: KF, PrtCount) To discuss this sample report. contact Customer Service at 1-800-237-1

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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Contact/Location: SERVICE MANAGER ? - CARGARTX

T:

F:

Contact: SERVICE MANAGER