

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER SM 10 4909865 (S/N 1632)

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.

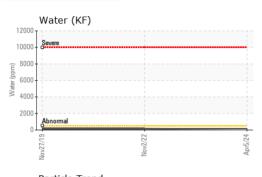
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016844	KCP47144	KCP21386
Sample Date		Client Info		05 Apr 2024	02 Nov 2022	27 Nov 2019
Machine Age	hrs	Client Info		21672	18381	11795
Oil Age	hrs	Client Info		3291	6586	3454
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m		2	0	<1
Lead		ASTM D5185m	>10	- <1	0	<1
	ppm	ASTM D5185m		5	12	4
Copper	ppm					
Tin Antimonau	ppm	ASTM D5185m	>10	<1	<1	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	2	<1	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Vanganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	51	17	33
Calcium	ppm	ASTM D5185m	0	4	0	0
Phosphorus	ppm	ASTM D5185m	0	3	14	3
Zinc	ppm	ASTM D5185m	0	32	0	22
Sulfur	ppm	ASTM D5185m	23500	24464	21897	6033
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	3
Sodium	ppm	ASTM D5185m		15	<1	11
Potassium	ppm	ASTM D5185m	>20	3	0	1
Water	%	ASTM D6304	>0.05	0.008	0.015	0.014
opm Water	ppm	ASTM D6304		85	156.6	143.6
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4819	5554	1507
Particles >6µm		ASTM D7647	>1300	723	1070	333
Particles >14µm		ASTM D7647	>80	30	61	24
Particles >21µm		ASTM D7647	>20	7	20	16
Particles >38μm		ASTM D7647	>4	0	0	1
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/12	20/17/13	16/12
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.38	0.47	0.361
:07:42) Rev: 1	ing NO⊓/g	AU I IVI D0040		ontact/Location:		

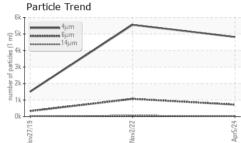
Report Id: FLEBURMN [WUSCAR] 06148075 (Generated: 04/17/2024 16:07:42) Rev: 1

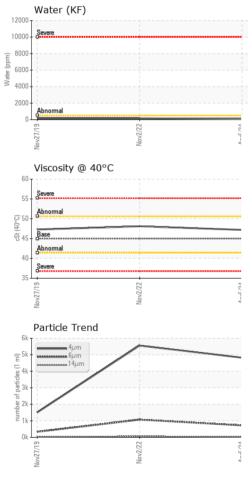
Contact/Location: Service Manager - FLEBURMN



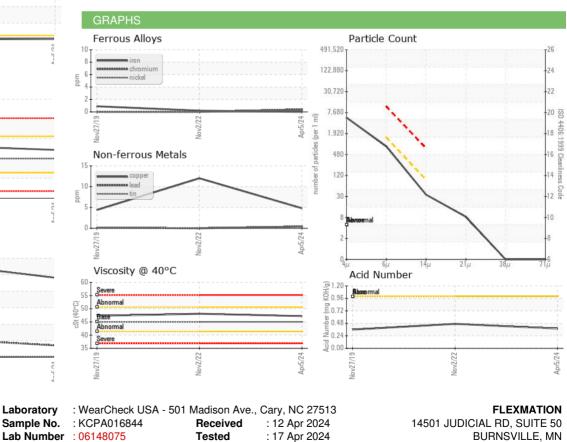
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	45	47.2	48.1	47.3
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						
Bottom						



: 17 Apr 2024 - Jonathan Hester



Test Package : IND 2 (Additional Tests: KF, PrtCount) Certificate 12367 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)

Diagnosed

Laboratory

Sample No.

Unique Number : 10978153

Contact/Location: Service Manager - FLEBURMN

US 55306

T:

F:

Contact: Service Manager