

OIL ANALYSIS REPORT

KAESER BSD40 2849154 (S/N 1095)

Compressor Fluid

KAESER SIGMA (OEM) FG-460 (--- GAL)

Machine Id

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

		Apr2014	Nov2014 Mar2015	Apr2021 Nov2021 Jul2022	May2024	
SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA017643	KCP49708	KCP38789
ample Date		Client Info		10 May 2024	20 Jul 2022	05 Nov 2021
Annoise Age	hrs	Client Info		122577	109179	103328
Dil Age	hrs	Client Info		0	5850	4019
il Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
on	ppm	ASTM D5185m	>50	0	0	<1
hromium	ppm	ASTM D5185m	>10	0	0	0
lickel	ppm	ASTM D5185m	>3	0	0	1
ïtanium	ppm	ASTM D5185m	>3	0	0	0
liver	ppm	ASTM D5185m	>2	<1	0	0
luminum	ppm	ASTM D5185m		1	1	1
ead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m		2	2	2
ïn	ppm	ASTM D5185m	>10	0	0	0
ntimony	ppm	ASTM D5185m				0
anadium	ppm	ASTM D5185m		<1	0	<1
admium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
arium	ppm	ASTM D5185m		0	0	0
lolybdenum	ppm	ASTM D5185m		0	0	1
langanese	ppm	ASTM D5185m		0	0	0
lagnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	500	0	18	28
inc	ppm	ASTM D5185m		0	0	2
Sulfur	ppm	ASTM D5185m		362	907	1400
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	0
odium	ppm	ASTM D5185m		2	<1	<1
otassium	ppm	ASTM D5185m	>20	<1	0	2
Vater	%	ASTM D6304	>0.05	0.004	0.003	0.004
pm Water	ppm	ASTM D6304	>500	41	32.5	42.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
articles >4µm		ASTM D7647		13206	5834	10346
articles >6µm		ASTM D7647	>1300	<u> </u>	1203	▲ 2767
articles >14µm		ASTM D7647	>80	38	74	2 73
articles >21µm		ASTM D7647	>20	6	11	A 83
articles >38μm		ASTM D7647	>4	1	1	4
articles >71µm		ASTM D7647	>3	1	1	0
)il Cleanliness		ISO 4406 (c)	>/17/13	0 21/18/12	20/17/13	▲ 19/15
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	0.61	0.21	0.208

Sample Rating Trend

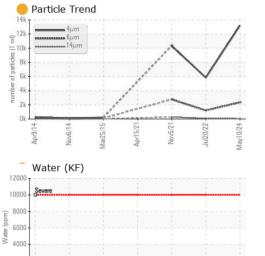
ISO

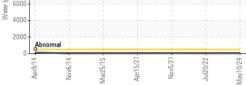
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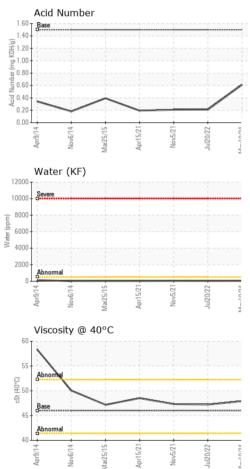
0.21 0.208 0.61 Contact/Location: R. COSTANZO - TTLTUS



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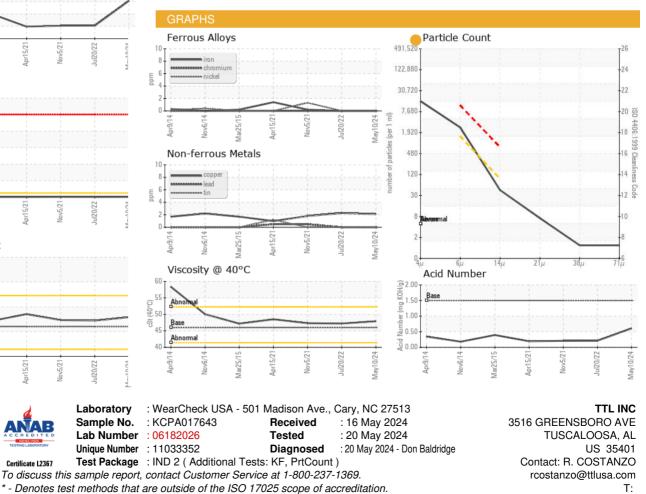






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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	47.9	47.2	47.3
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color				•		
Bottom						()



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Certificate 12367

Contact/Location: R. COSTANZO - TTLTUS

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