

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 5763379

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

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

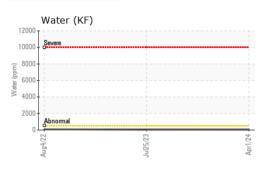
Fluid Condition

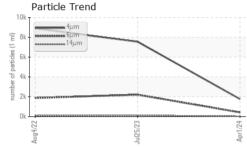
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

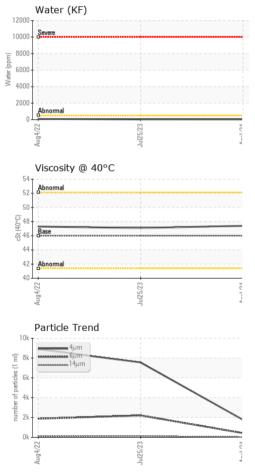
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016326	KCPA005725	KCP49476
Sample Date		Client Info		01 Apr 2024	25 Jul 2023	04 Aug 2022
Machine Age	hrs	Client Info		4392	3745	3139
Oil Age	hrs	Client Info		652	0	1666
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	17	23	29
Chromium	ppm	ASTM D5185m		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	<1
Aluminum	ppm	ASTM D5185m		8	8	▲ 12
Lead		ASTM D5185m	>10	0	0	<1
	ppm	ASTM D5185m		1	2	4
Copper Tin	ppm	ASTM D5185m	>50 >10	۱ <1	2	4
Vanadium	ppm		>10			
	ppm	ASTM D5185m		0	<1	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		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		3	3	2
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	500	461	472	452
Zinc	ppm	ASTM D5185m		293	187	456
Sulfur	ppm	ASTM D5185m		2122	2343	1889
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	0
Sodium	ppm	ASTM D5185m		2	2	2
Potassium	ppm	ASTM D5185m	>20	1	1	0
Water	%	ASTM D6304	>0.05	0.003	0.003	0.008
ppm Water	ppm	ASTM D6304	>500	33	39.2	82.3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1766	7552	8890
Particles >6µm		ASTM D7647	>1300	422	2208	1875
Particles >14µm		ASTM D7647	>80	26	125	93
Particles >21µm		ASTM D7647	>20	7	25	16
Particles >38µm		ASTM D7647	>4	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/12	20/18/14	20/18/14
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	1.20	1.31	0.97



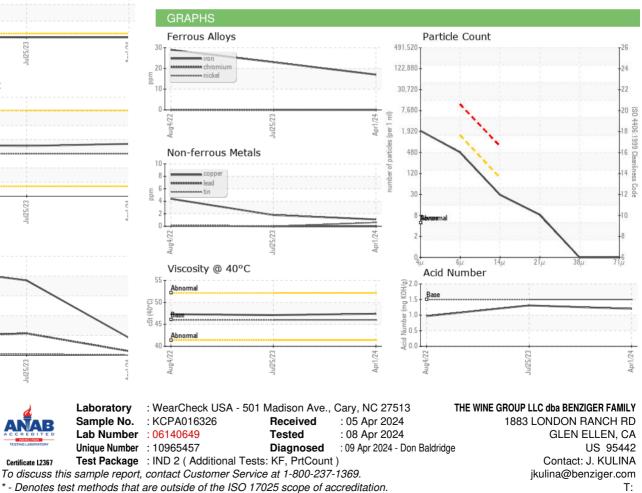
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
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	47.4	47.1	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)

Report Id: WINGLE [WUSCAR] 06140649 (Generated: 04/09/2024 12:28:13) Rev: 1

Certificate 12367

Contact/Location: J. KULINA - WINGLE Page 2 of 2

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