

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 7024100 (S/N 1014) Component

Compressor

KAESER SIGMA (OEM) S-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.

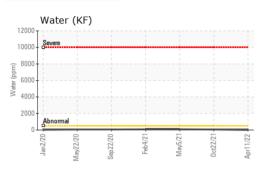
Fluid Condition

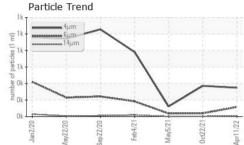
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

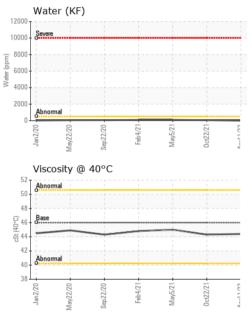
		Jan2020	May2020 Sep2020	Feb2021 May2021 Oct2021	Apr2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC97959	KC97827	KC86391
Sample Date		Client Info		11 Apr 2022	22 Oct 2021	05 May 2021
Machine Age	hrs	Client Info		21205	17522	13681
Oil Age	hrs	Client Info		7524	3841	8200
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	<1	0	0
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	0
_ead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	2	7	12
Fin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m			0	0
/anadium	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	11
Barium	ppm	ASTM D5185m	90	0	0	0
Volybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	<1	0	0
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		2	0	2
Zinc	ppm	ASTM D5185m		0	0	0
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	2	3
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Vater	%	ASTM D6304	>0.05	0.001	0.006	0.008
opm Water	ppm	ASTM D6304	>500	1.1	62.0	89.9
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		349	372	123
Particles >6µm		ASTM D7647	>1300	116	39	37
· Particles >14μm		ASTM D7647	>80	8	3	1
Particles >21µm		ASTM D7647	>20	3	1	0
∙ Particles >38µm		ASTM D7647	>4	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Dil Cleanliness		ISO 4406 (c)	>/17/13	14/10	12/9	12/7
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.42	0.459	0.404

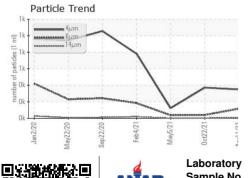


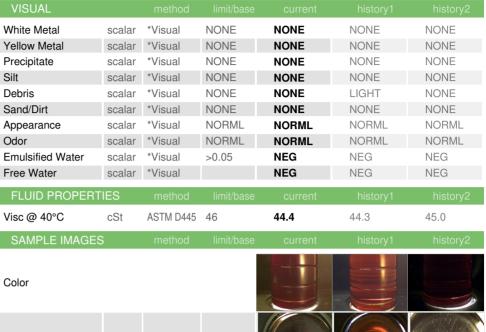
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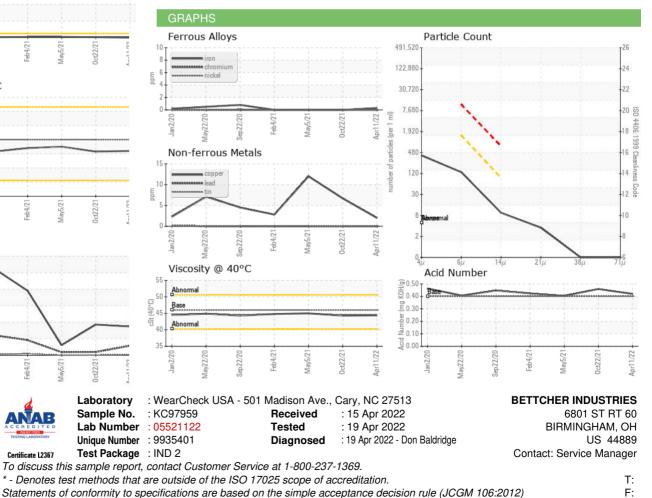








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