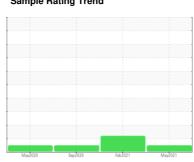


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Component

Compressor

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

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

Fluid Condition

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

		May202	0 Sep2020	Feb2021 M	ay2021	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC86390	KC93875	KC85191
Sample Date		Client Info		05 May 2021	04 Feb 2021	22 Sep 2020
Machine Age	hrs	Client Info		3637	2521	1946
Oil Age	hrs	Client Info		1700	575	1946
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	2
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	<1	0
Aluminum	ppm	ASTM D5185m	>10	1	0	2
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	6	3	12
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m		0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	<1	13
Barium	ppm	ASTM D5185m	90	2	21	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	2	55	1
Calcium	ppm	ASTM D5185m	2	0	<1	4
Phosphorus	ppm	ASTM D5185m		1	1	7
Zinc	ppm	ASTM D5185m		0	0	26
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	3	<1
Sodium	ppm	ASTM D5185m		0	8	0
Potassium	ppm	ASTM D5185m	>20	<1	8	<1
Water	%	ASTM D6304	>0.05	0.009	0.010	0.005
ppm Water	ppm	ASTM D6304	>500	90.5	108.8	58.0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		136	2866	312
Particles >6µm		ASTM D7647	>1300	31	848	103
Particles >14μm		ASTM D7647	>80	3	128	8
Particles >21µm		ASTM D7647	>20	0	4 7	3
Particles >38μm		ASTM D7647	>4	0	5	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	12/9	▲ 17/14	14/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

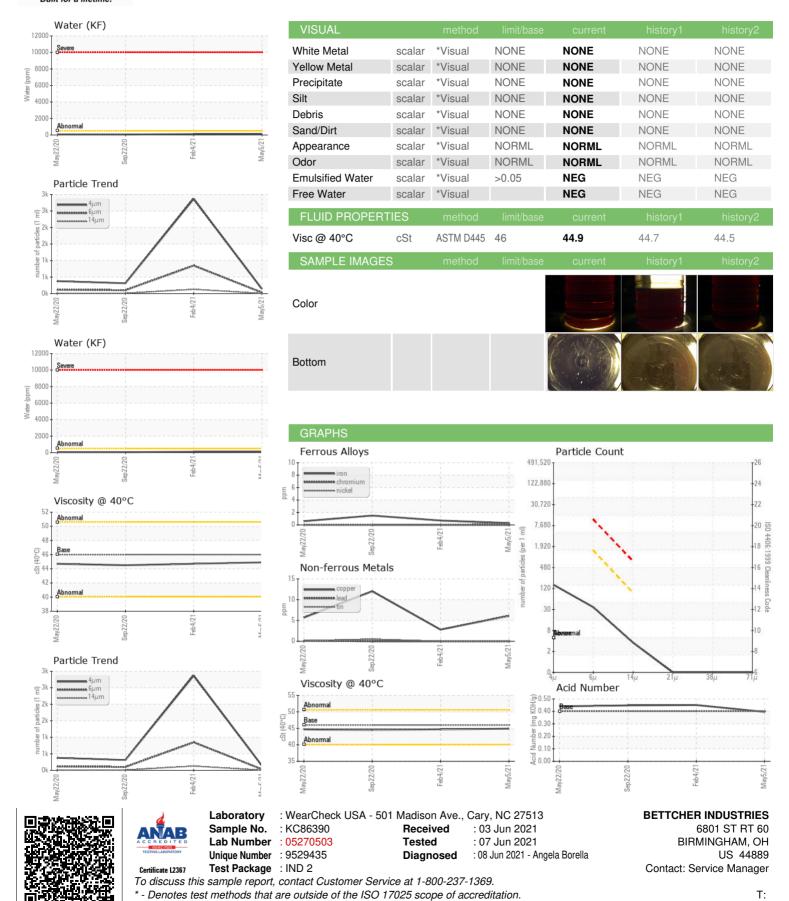
0.451

0.396

0.448



OIL ANALYSIS REPORT



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

F: