

OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Machine Id KAESER BSD 60 4127445 (S/N 1003)

Compressor

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

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

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.

		Feb202			in2022	
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC95179	KC96195	KC100455
Sample Date		Client Info		23 Jun 2022	17 Feb 2022	19 Aug 2021
Machine Age	hrs	Client Info		40408	39714	38363
Oil Age	hrs	Client Info		3743	2418	679
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ATTENTION	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
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	0
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	2	4	2
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m			0	0
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	38	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	90	64	16	25
Calcium	ppm	ASTM D5185m	2	2	0	0
Phosphorus	ppm	ASTM D5185m		4	7	3
Zinc	ppm	ASTM D5185m		6	0	2
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		20	4	7
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304	>0.05	0.018	0.008	0.020
ppm Water	ppm	ASTM D6304	>500	180.4	82.4	205.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		24119		838
Particles >6µm		ASTM D7647	>1300	1634		350
Particles >14µm		ASTM D7647	>80	63		66
Particles >21µm		ASTM D7647	>20	14		29
Particles >38µm		ASTM D7647	>4	0		4
Particles >71µm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	22/18/13		16/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

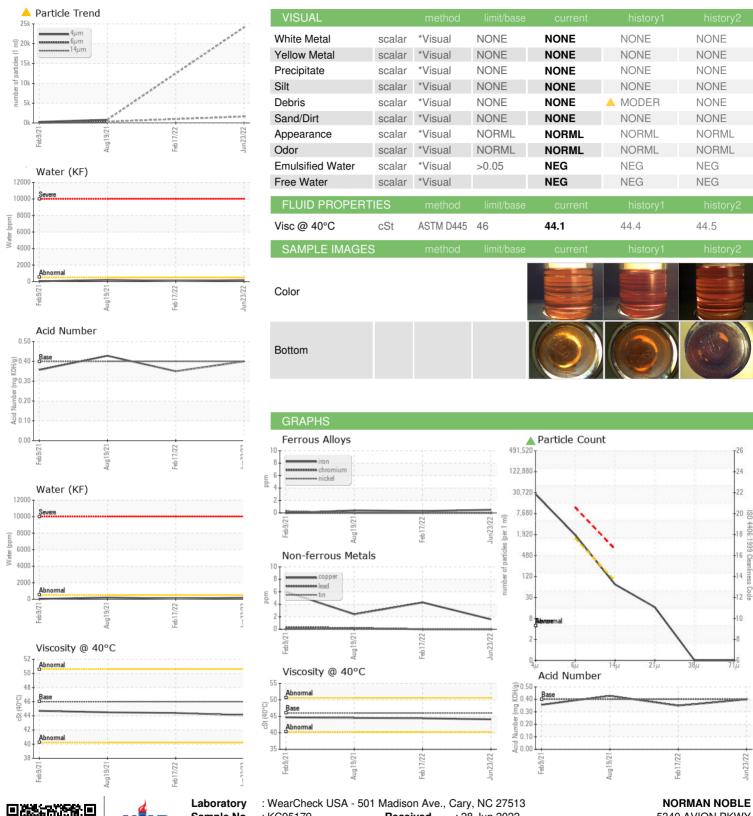
0.35

0.40

0.428



OIL ANALYSIS REPORT







Certificate L2367

Sample No. Lab Number

: KC95179 : 05579377

Unique Number: 10033803 Test Package : IND 2

Received : 28 Jun 2022 **Tested** : 29 Jun 2022

> Diagnosed : 30 Jun 2022 - Don Baldridge

5340 AVION PKWY HIGHLAND HEIGHTS, OH US 44143

Contact: Service Manager

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)

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