

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id KAESER CSD 75 6454256 (S/N 1467)

Compressor

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

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.

		lan 2019 Jul 20	119 Apr2020 Jul2020	May2021 Nov2021 Jun2022 Feb2	023 Jan202	
SAMPLE INFORM	//ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC127686	KC101464	KC108135
Sample Date		Client Info		11 Jan 2024	22 May 2023	10 Feb 2023
Machine Age	hrs	Client Info		44027	39070	36647
Oil Age	hrs	Client Info		0	3000	8000
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				ATTENTION	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>10	<1	1	0
Lead	ppm	ASTM D5185m	>10	2	<1	0
Copper	ppm	ASTM D5185m	>50	_ 15	10	13
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		2	<1	0
Magnesium	ppm	ASTM D5185m	90	1	15	<1
Calcium	ppm	ASTM D5185m	2	<1	0	0
Phosphorus	ppm	ASTM D5185m		2	0	1
Zinc	ppm	ASTM D5185m		0	5	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		2	3	<1
Potassium	ppm	ASTM D5185m	>20	3	1	0
Water	%	ASTM D6304	>0.05	0.005	0.008	0.004
ppm Water	ppm	ASTM D6304	>500	60	88.2	41.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		5714		3364
Particles >6µm		ASTM D7647	>1300	1458		805
Particles >14µm		ASTM D7647	>80	157		29
Particles >21µm		ASTM D7647		▲ 56		5
Particles >38µm		ASTM D7647	>4	2		0
Particles >71µm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/18/14		19/17/12
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
A : 1 N	1/011/	40TM D0045	0.4			

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

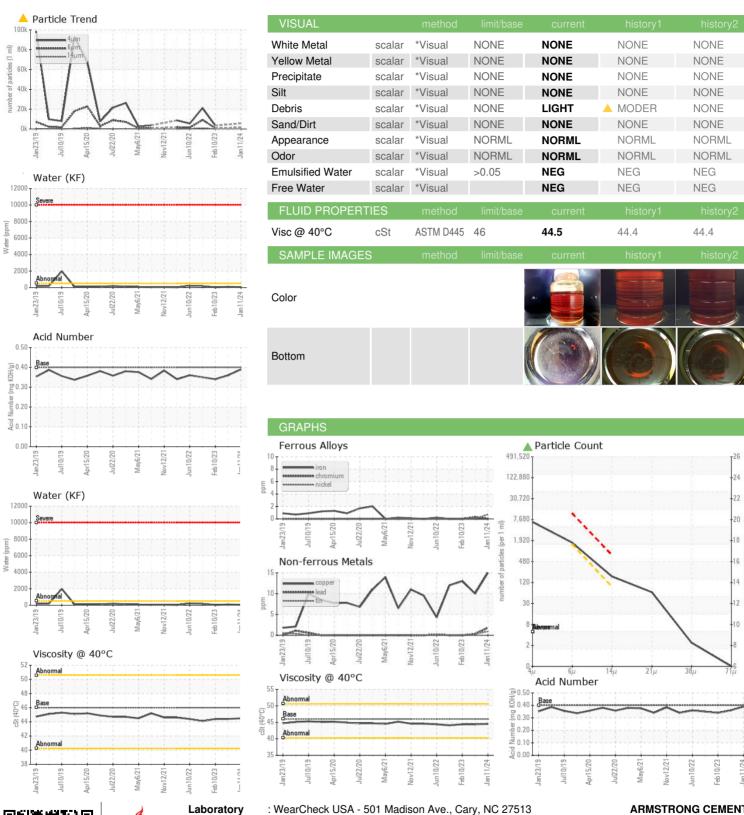
0.36

0.39

0.34



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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: KC127686 : 06077692

: 10859783 Test Package : IND 2

: 01 Feb 2024 Recieved

: 07 Feb 2024 Diagnosed Diagnostician : Jonathan Hester **ARMSTRONG CEMENT**

100 CLEARFIELD RD CABOT, PA US 16023

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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