

OIL ANALYSIS REPORT

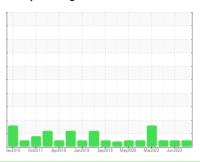
Sample Rating Trend



Machine Id KAESER DSD 250 5454649 (S/N 1083)

Compressor

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





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

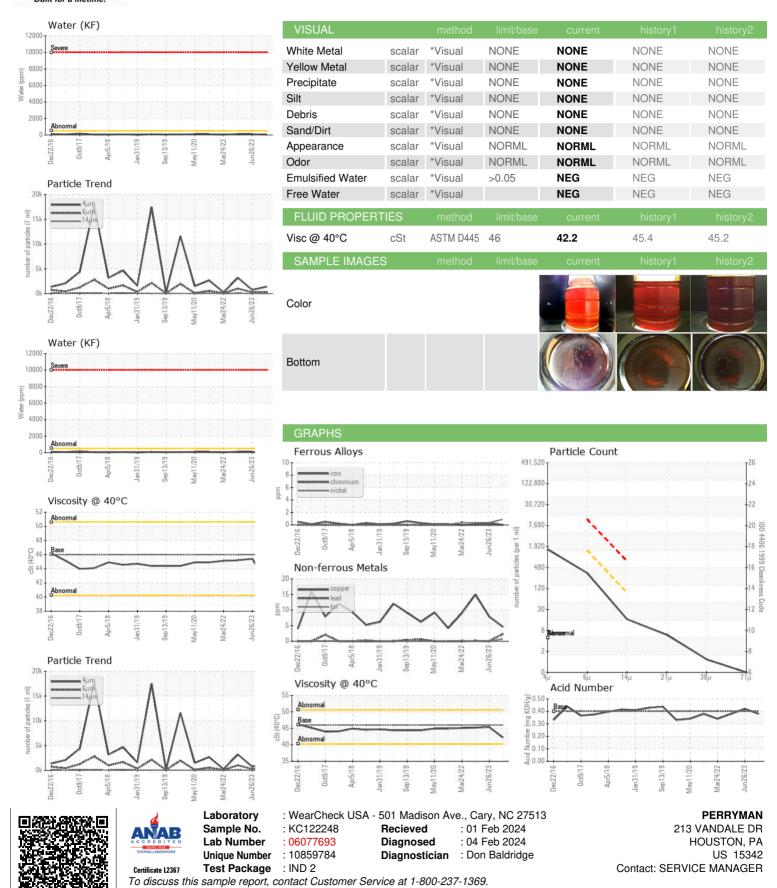
Fluid Condition

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

Joc2016 Oc2017 Apr2018 Jan2019 Sep2019 May2020 Mar2022 Jun2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC122248	KC100508	KC101449
Sample Date		Client Info		08 Jan 2024	26 Jun 2023	21 Feb 2023
Machine Age	hrs	Client Info		31833	28424	26603
Oil Age	hrs	Client Info		0	6000	4259
Oil Changed		Client Info		N/A	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	<1	<1	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1
Lead	ppm	ASTM D5185m	>10	2	0	<1
Copper	ppm	ASTM D5185m	>50	5	8	15
Tin	ppm	ASTM D5185m	>10	<1	0	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	2
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		2	0	0
Magnesium	ppm	ASTM D5185m	90	- <1	0	0
Calcium	ppm	ASTM D5185m		<1	0	0
Phosphorus	ppm	ASTM D5185m	_	2	0	<1
Zinc	ppm	ASTM D5185m		0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m		<1	<1	0
Sodium	ppm	ASTM D5185m	>20	2	0	0
Potassium	ppm	ASTM D5185m	>20	4	<1	<1
Water	ppm %	ASTM D5165111	>0.05	0.004	0.008	0.010
ppm Water		ASTM D6304 ASTM D6304	>50.03	48	81.5	105.1
''	ppm					
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	1000	1398	726	3166
Particles >6µm		ASTM D7647	>1300	292	250	997
Particles >14μm		ASTM D7647	>80	14	15	77
Particles >21μm		ASTM D7647		5	5	17
Particles >38µm		ASTM D7647	>4	1	0	1
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/13	15/11	15/11	17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.38	0.42	0.38



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* - 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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