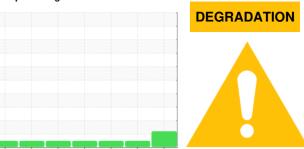


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER FSD450 5737279 (S/N 1203)

Compressor

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

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition.

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.

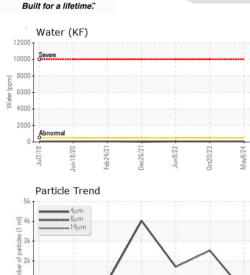
Fluid Condition

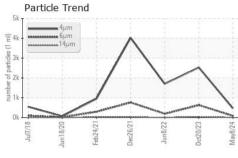
The AN level is at the top-end of the recommended limit.

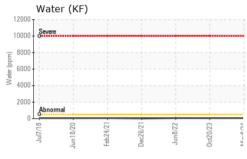
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC129478	KCP53544	KC103330
Sample Date		Client Info		08 May 2024	20 Oct 2023	08 Jun 2022
Machine Age	hrs	Client Info		38464	34026	28054
Oil Age	hrs	Client Info		3329	4688	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	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	0
Aluminum	ppm	ASTM D5185m	>10	<1	0	0
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	4	8	8
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	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		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	90	0	<1	0
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		<1	0	6
Zinc	ppm	ASTM D5185m		0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Sodium	ppm	ASTM D5185m		1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	2	<1
Water	%	ASTM D6304	>0.05	0.006	0.006	0.007
ppm Water	ppm	ASTM D6304	>500	65	64.2	71.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		460	2527	1703
Particles >6µm		ASTM D7647	>1300	84	629	191
Particles >14µm		ASTM D7647	>80	7	40	4
Particles >21µm		ASTM D7647	>20	2	8	2
Particles >38µm		ASTM D7647	>4	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/13	14/10	16/12	15/9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	▲ 0.73	0.40	0.56

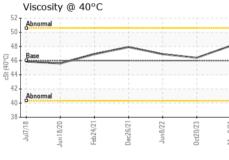


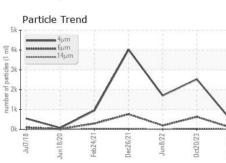
OIL ANALYSIS REPORT



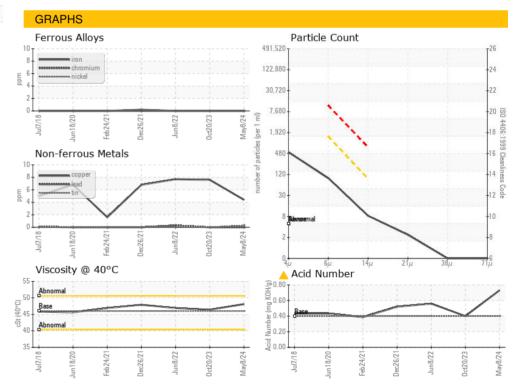
















Laboratory Sample No.

: KC129478 Lab Number : 06185016 Unique Number : 11036342

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 20 May 2024 **Tested** : 22 May 2024

Diagnosed : 22 May 2024 - Jonathan Hester

Test Package : IND 2 Certificate 12367 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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