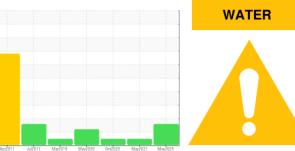


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER SK 15T 2935326 (S/N 1471)

Compressor

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

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 a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

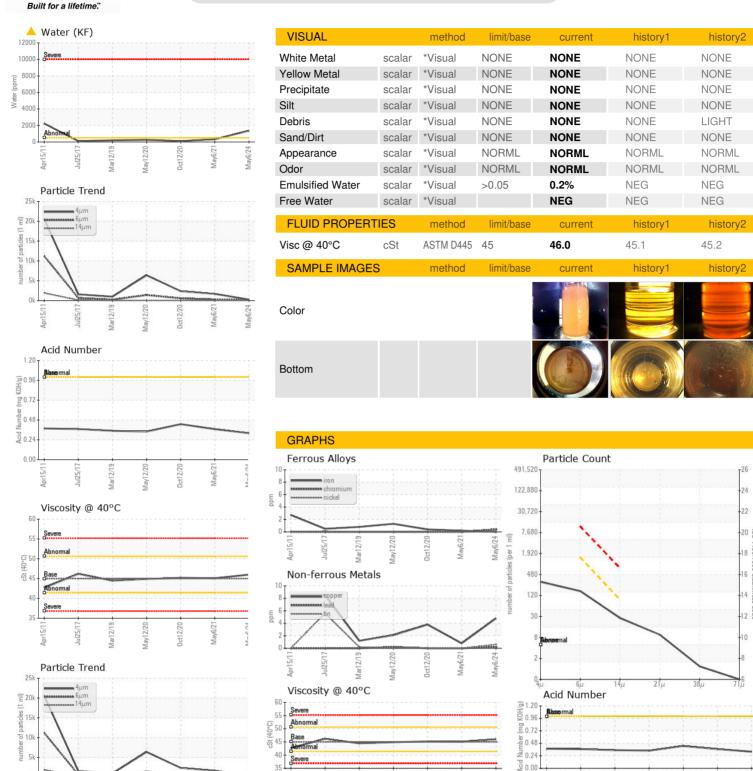
Fluid Condition

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

		AprŽ011	Jul2017 Mar2019	May2020 Oct2020 May2021	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA017513	KCP33508	KCP31791
Sample Date		Client Info		06 May 2024	06 May 2021	12 Oct 2020
Machine Age	hrs	Client Info		22534	18960	18400
Oil Age	hrs	Client Info		490	202	895
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	2	<1	0
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	5	<1	4
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	10
Barium	ppm	ASTM D5185m	90	1	29	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	100	30	76	18
Calcium	ppm	ASTM D5185m	0	5	1	0
Phosphorus	ppm	ASTM D5185m	0	6	4	<1
Zinc	ppm	ASTM D5185m	0	56	0	7
Sulfur	ppm	ASTM D5185m	23500	24009	17513	16117
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		0	9	4
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water	%	ASTM D6304		<u> </u>	0.032	0.011
ppm Water	ppm	ASTM D6304	>500	<u> </u>	327.3	110.0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		261	1681	2364
Particles >6µm		ASTM D7647	>1300	142	265	567
Particles >14μm		ASTM D7647	>80	24	28	31
Particles >21µm		ASTM D7647	>20	8	13	8
Particles >38µm		ASTM D7647	>4	1	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	15/14/12	15/12	16/12



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number

: 06177687 Unique Number : 11023740

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA017513 Received : 13 May 2024

Tested : 22 May 2024 Diagnosed

: 22 May 2024 - Jonathan Hester Test Package : IND 2 (Additional Tests: KF, PrtCount)

12526 E 52ND ST

Contact: BROCK E. brocke@shorelineboatandrv.com T:

SHORELINE BOAT AND RV REPAIR

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)

TULSA, OK

US 74146

F: