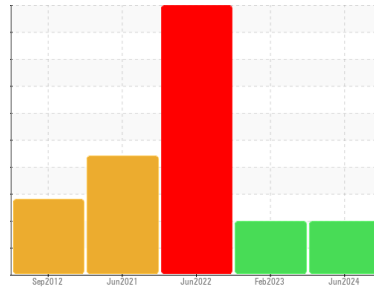




OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
KAESER SK26 1544338 (S/N 1062)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

DIAGNOSIS

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 high 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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			KCPA019184	KCP55739	KCP41387
Sample Date	Client Info			12 Jun 2024	02 Feb 2023	29 Jun 2022
Machine Age	hrs	Client Info		94049	93862	93846
Oil Age	hrs	Client Info		143	0	93846
Oil Changed	Client Info			Not Chngd	Changed	Not Chngd
Sample Status				ABNORMAL	ABNORMAL	SEVERE

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	4	1
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	6	<1
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	<1	<1	14
Tin	ppm	ASTM D5185m	>15	0	<1	0
Antimony	ppm	ASTM D5185m		---	---	---
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0

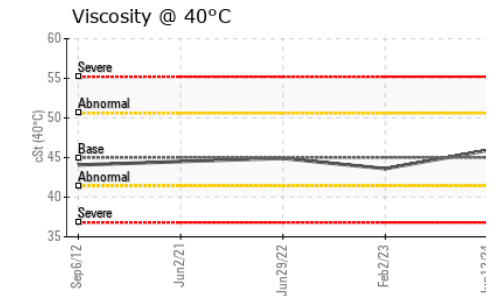
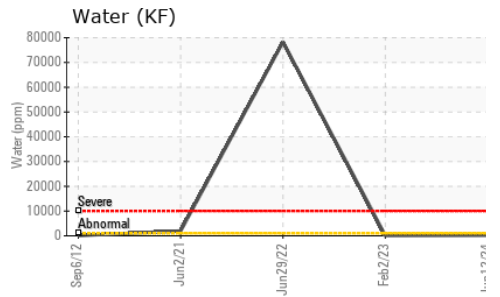
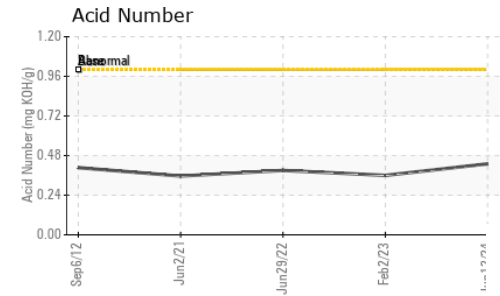
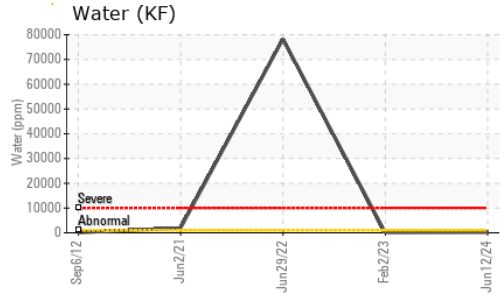
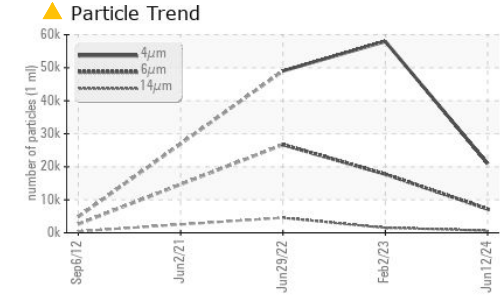
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	38	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	100	102	60	2
Calcium	ppm	ASTM D5185m	0	7	2	0
Phosphorus	ppm	ASTM D5185m	0	2	4	5
Zinc	ppm	ASTM D5185m	0	31	44	21
Sulfur	ppm	ASTM D5185m	23500	21021	22871	20052

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	1	<1
Sodium	ppm	ASTM D5185m		20	24	0
Potassium	ppm	ASTM D5185m	>20	1	4	0
Water	%	ASTM D6304	>0.1	0.021	0.011	▲ 7.83
ppm Water	ppm	ASTM D6304	>1000	211	116.8	▲ 78300

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		20992	57969	49031
Particles >6µm		ASTM D7647	>1300	▲ 7201	▲ 17759	▲ 26710
Particles >14µm		ASTM D7647	>80	▲ 653	▲ 1519	▲ 4546
Particles >21µm		ASTM D7647	>20	▲ 143	▲ 302	▲ 1531
Particles >38µm		ASTM D7647	>4	▲ 5	▲ 17	▲ 236
Particles >71µm		ASTM D7647	>3	0	0	▲ 24
Oil Cleanliness		ISO 4406 (c)	>--/17/13	▲ 22/20/17	▲ 23/21/18	▲ 23/22/19

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.43	0.36	0.39

OIL ANALYSIS REPORT

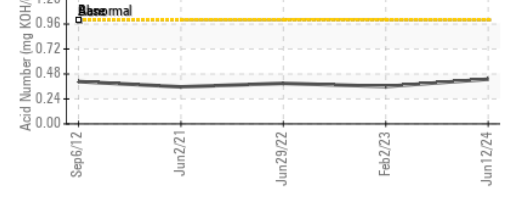
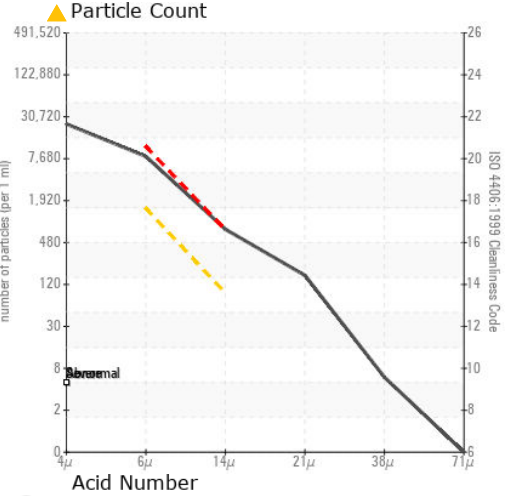
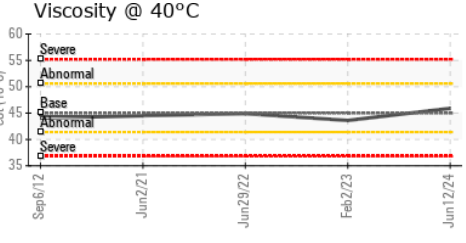
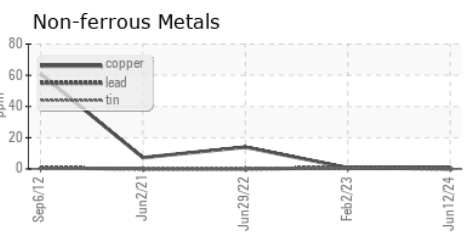
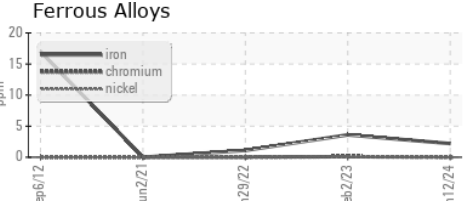


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	▲ 0.2%
Free Water	scalar	*Visual		NEG	▲ 2.0

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	45.9	43.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA019184 **Received** : 17 Jun 2024
Lab Number : 06212465 **Tested** : 19 Jun 2024
Unique Number : 11085329 **Diagnosed** : 19 Jun 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

POMPS TIRE SERVICE
 1301 BUSSE RD
 ELK GROVE VILLAGE, IL
 US 60007
 Contact:

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)