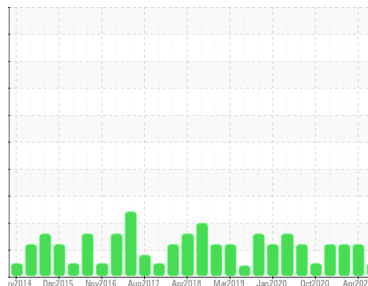


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
KAESER SFC 55 5049981 (S/N 1008)

Component
Compressor

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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			KC32444	KCP42335	KCP42337
Sample Date	Client Info			20 Oct 2023	25 Apr 2022	16 Aug 2021
Machine Age	hrs	Client Info		75806	63007	57054
Oil Age	hrs	Client Info		72522	0	0
Oil Changed	Client Info			N/A	Changed	Not Chngd
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	1	4	2
Tin	ppm	ASTM D5185m	>10	0	<1	0
Antimony	ppm	ASTM D5185m		---	---	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

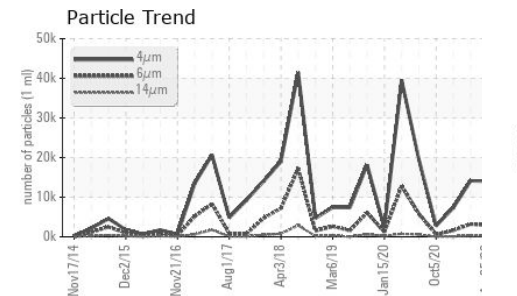
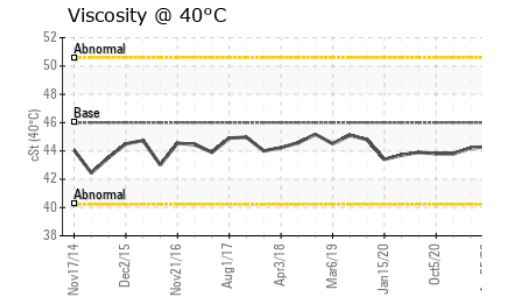
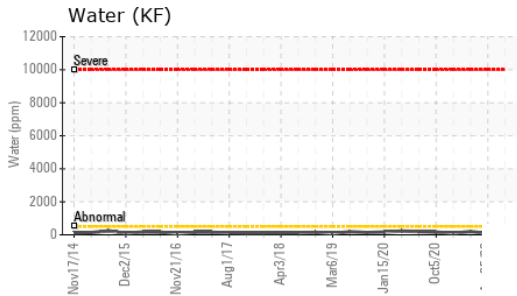
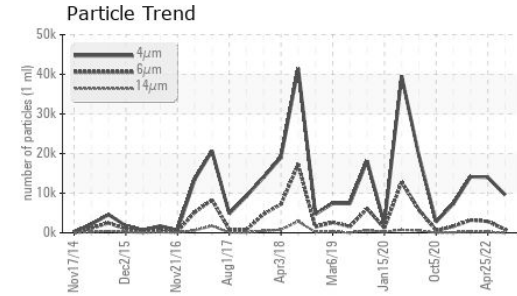
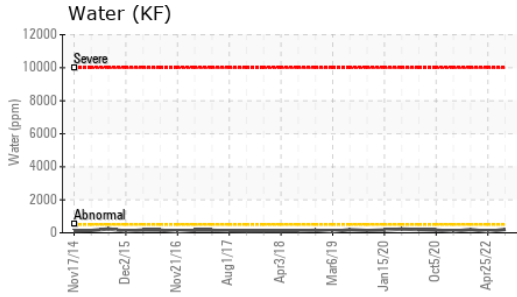
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	18
Barium	ppm	ASTM D5185m	90	0	0	21
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	57	18	35
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		38	8	2
Zinc	ppm	ASTM D5185m		0	16	19

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	2
Sodium	ppm	ASTM D5185m		9	8	19
Potassium	ppm	ASTM D5185m	>20	2	1	11
Water	%	ASTM D6304	>0.05	0.020	0.007	0.020
ppm Water	ppm	ASTM D6304	>500	209	77.0	202.0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		9587	14005	14134
Particles >6µm		ASTM D7647	>1300	847	▲ 2878	▲ 3188
Particles >14µm		ASTM D7647	>80	40	▲ 208	▲ 285
Particles >21µm		ASTM D7647	>20	15	▲ 52	▲ 80
Particles >38µm		ASTM D7647	>4	1	2	4
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>--/17/13	20/17/12	▲ 19/15	▲ 19/15

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.38	0.39	0.320

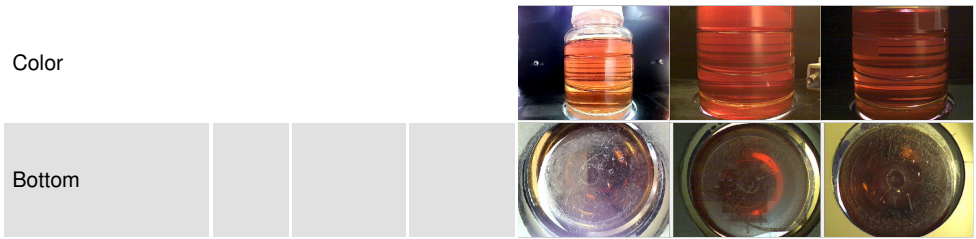
OIL ANALYSIS REPORT



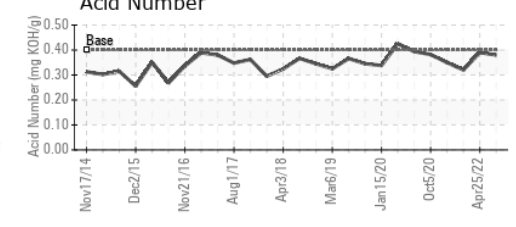
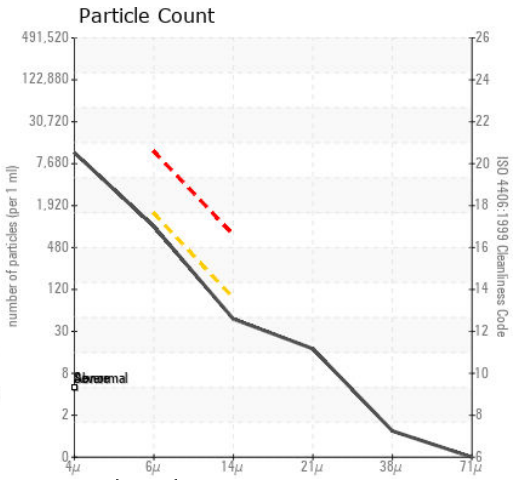
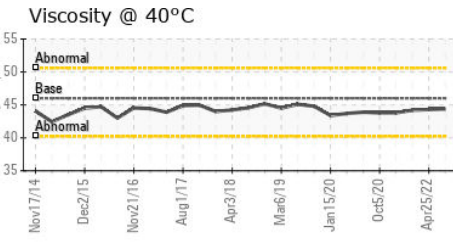
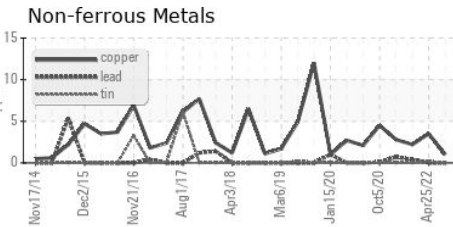
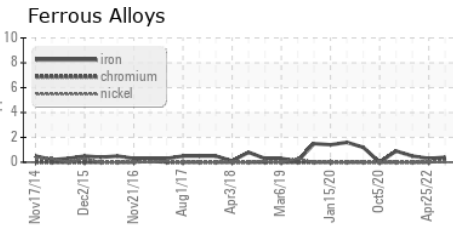
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.3	44.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC32444 **Received** : 12 Jan 2024
Lab Number : 06060289 **Diagnosed** : 16 Jan 2024
Unique Number : 10831671 **Diagnostician** : Don Baldrige
Test Package : IND 2

WALGREENS DC
 5100 LAKE TERRACE NE
 MT VERNON, IL
 US 62864
 Contact: CHARLES MILT
 charles.milt@walgreens.com
 T:
 F:

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)