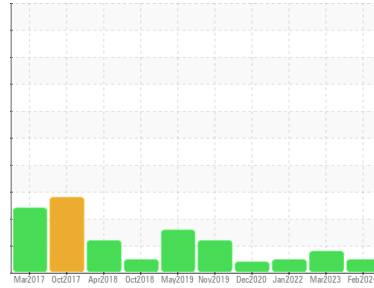




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[1252]
 Machine Id
KAESER AIRCENTER SM 10 4193989 (S/N 1104)
 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	KCPA013693	KCP54746	KCP48534	
Sample Date	Client Info	29 Feb 2024	30 Mar 2023	20 Jan 2022	
Machine Age	hrs	Client Info	24512	0	19614
Oil Age	hrs	Client Info	2347	0	0
Oil Changed	Client Info	Changed	N/A	Not Chngd	
Sample Status		NORMAL	ATTENTION	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	0	0	0
Titanium	ppm	ASTM D5185m >3	0	0	0
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >10	0	<1	<1
Lead	ppm	ASTM D5185m >10	0	0	0
Copper	ppm	ASTM D5185m >50	5	6	6
Tin	ppm	ASTM D5185m >10	0	0	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	0	<1
Barium	ppm	ASTM D5185m 90	2	3	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m 90	58	59	64
Calcium	ppm	ASTM D5185m 2	<1	1	0
Phosphorus	ppm	ASTM D5185m	0	8	7
Zinc	ppm	ASTM D5185m	0	12	10
Sulfur	ppm	ASTM D5185m	20822	18773	16184

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >25	7	9	11
Sodium	ppm	ASTM D5185m	21	22	10
Potassium	ppm	ASTM D5185m >20	1	2	0
Water	%	ASTM D6304 >0.05	0.014	0.008	0.016
ppm Water	ppm	ASTM D6304 >500	149	85.9	165.4

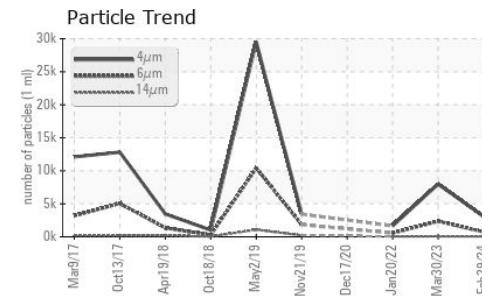
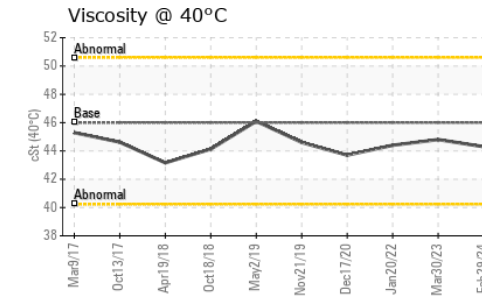
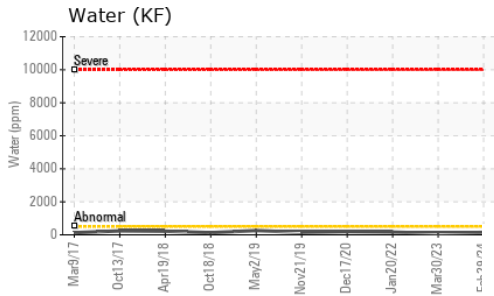
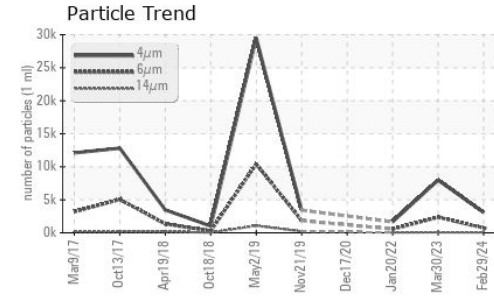
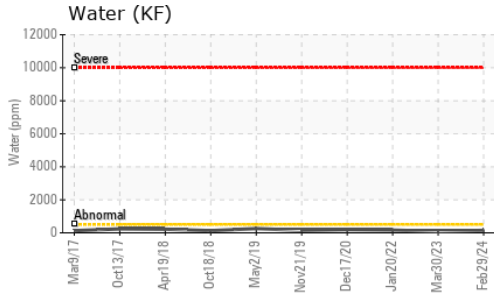
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	3071	7982	1653
Particles >6µm	ASTM D7647 >1300	735	2362	550
Particles >14µm	ASTM D7647 >80	50	72	38
Particles >21µm	ASTM D7647 >20	10	12	8
Particles >38µm	ASTM D7647 >4	0	0	0
Particles >71µm	ASTM D7647 >3	0	0	0
Oil Cleanliness	ISO 4406 (c) >17/13	17/13	18/13	16/12

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	0.36	0.34	0.33

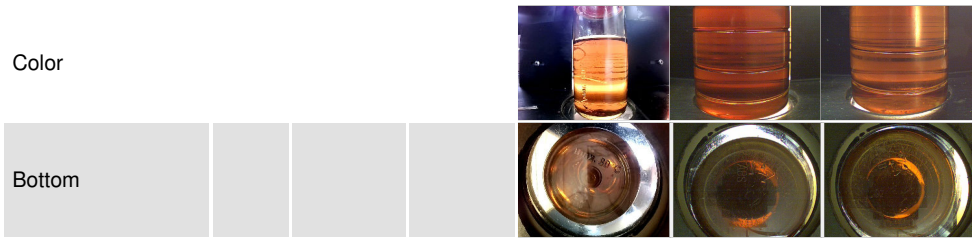
OIL ANALYSIS REPORT



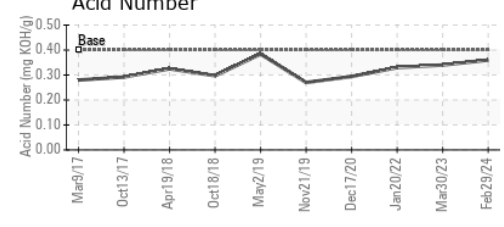
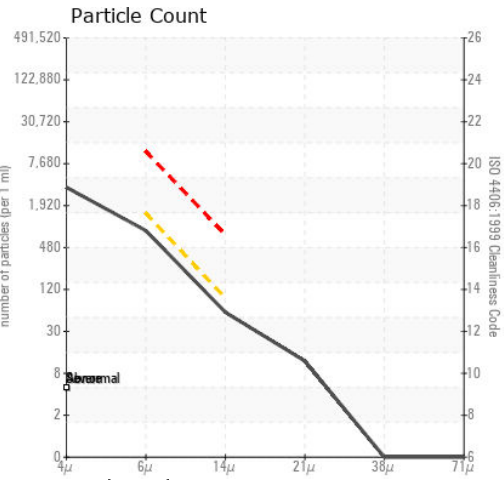
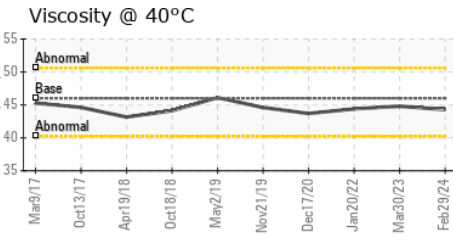
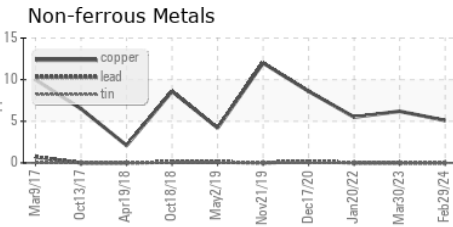
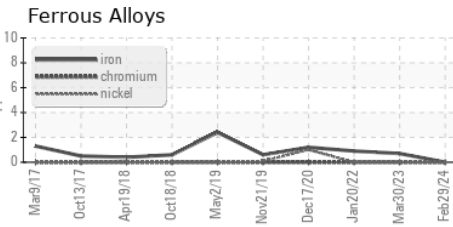
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	44.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA013693
Lab Number : 06125695
Unique Number : 10939846
Test Package : IND 2 (Additional Tests: KF, PrtCount)

TIDE DRY CLEANERS
 3975 W 83RD ST
 PRAIRIE VILLAGE, KS
 US 66208
 Contact: BOBBY
 BOBBYRNESTDC@YAHOO.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)