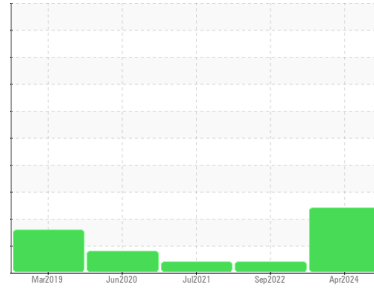




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
KAESER SK 26 1809442 (S/N 1159)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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			KCPA012681	KCP50181	KCP33147
Sample Date	Client Info			16 Apr 2024	15 Sep 2022	13 Jul 2021
Machine Age	hrs	Client Info		35107	33226	30985
Oil Age	hrs	Client Info		0	3000	3000
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

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

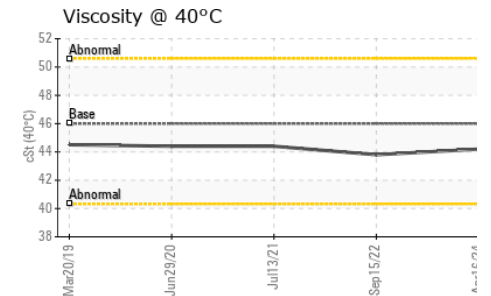
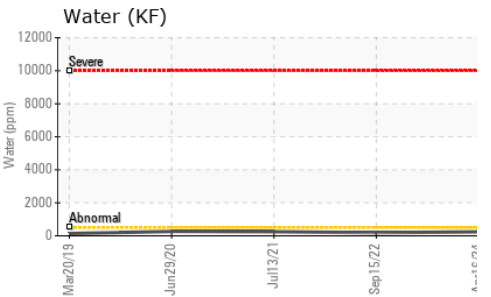
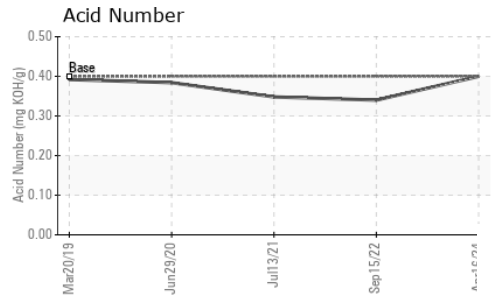
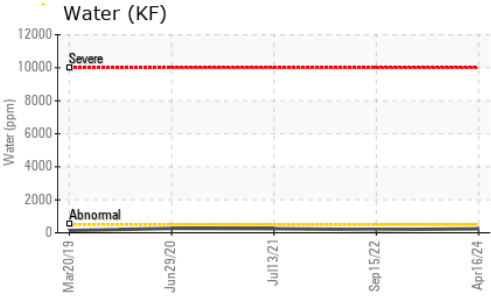
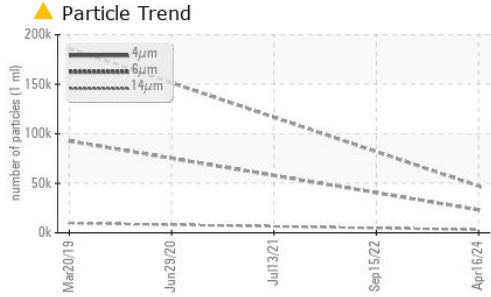
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	14
Barium	ppm	ASTM D5185m	90	4	5	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	90	85	58	59
Calcium	ppm	ASTM D5185m	2	0	2	<1
Phosphorus	ppm	ASTM D5185m		0	7	6
Zinc	ppm	ASTM D5185m		18	14	10
Sulfur	ppm	ASTM D5185m		25819	20641	17070

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		23	16	20
Potassium	ppm	ASTM D5185m	>20	4	3	2
Water	%	ASTM D6304	>0.05	0.024	0.018	0.024
ppm Water	ppm	ASTM D6304	>500	243	189.4	247.9

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		47168	---	---
Particles >6µm		ASTM D7647	>1300	▲ 23153	---	---
Particles >14µm		ASTM D7647	>80	▲ 3087	---	---
Particles >21µm		ASTM D7647	>20	▲ 907	---	---
Particles >38µm		ASTM D7647	>4	▲ 38	---	---
Particles >71µm		ASTM D7647	>3	▲ 4	---	---
Oil Cleanliness		ISO 4406 (c)	>--/17/13	▲ 23/22/19	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.40	0.34	0.348

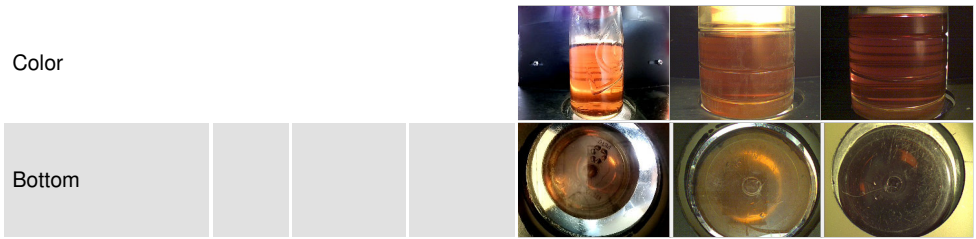
OIL ANALYSIS REPORT



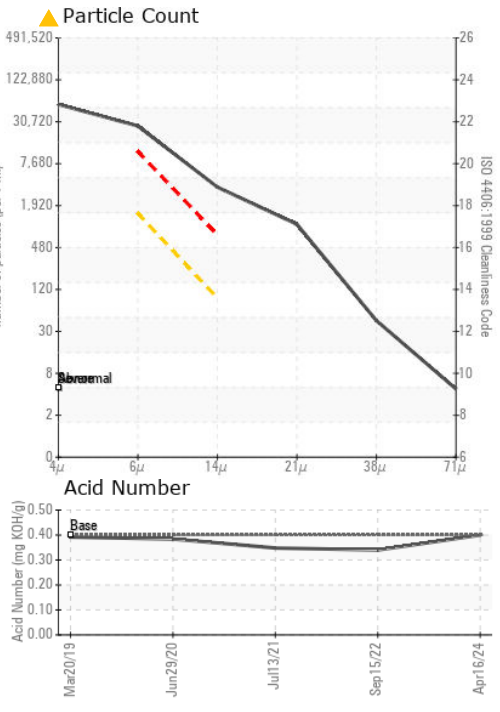
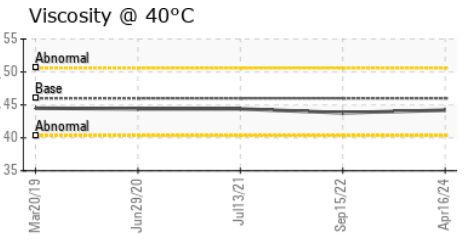
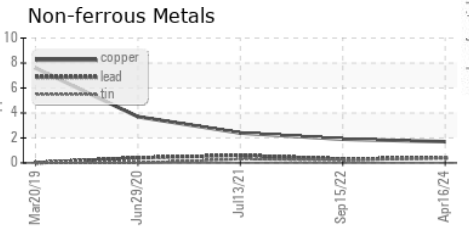
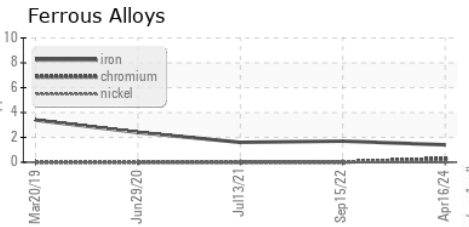
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	44.2	43.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA012681 **Received** : 04 Jun 2024
Lab Number : 06199170 **Tested** : 05 Jun 2024
Unique Number : 11061293 **Diagnosed** : 06 Jun 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

WITHROW'S BODY SHOP - COLLISION LEADERS
 120 W MAIN ST
 ODESSA, MO
 US 64076
 Contact: K. FORD
 kford@collisionleaders.com

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)