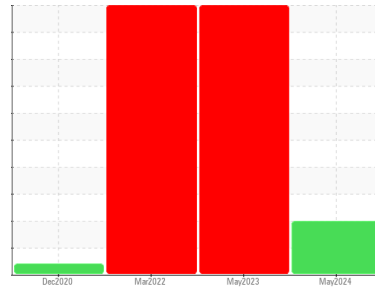


OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id

KAESER SX 5 5884628 (S/N 1630)

Component

Compressor

Fluid

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

DIAGNOSIS

▲ Recommendation

The filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

There is a light concentration of water present in the oil. High concentration of visible dirt/debris 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		KCPA012941	KCP53886	KCP44161
Sample Date	Client Info		30 May 2024	02 May 2023	08 Mar 2022
Machine Age	hrs	Client Info	3586	2719	2088
Oil Age	hrs	Client Info	4000	3000	470
Oil Changed	Client Info		Not Chngd	Changed	Changed
Sample Status			ABNORMAL	SEVERE	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<1	▲ 290	▲ 742
Chromium	ppm	ASTM D5185m >10	<1	2	<1
Nickel	ppm	ASTM D5185m >3	0	<1	2
Titanium	ppm	ASTM D5185m >3	<1	<1	<1
Silver	ppm	ASTM D5185m >2	0	0	<1
Aluminum	ppm	ASTM D5185m >10	2	<1	1
Lead	ppm	ASTM D5185m >10	<1	0	1
Copper	ppm	ASTM D5185m >50	5	10	11
Tin	ppm	ASTM D5185m >10	<1	0	4
Antimony	ppm	ASTM D5185m	---	---	---
Vanadium	ppm	ASTM D5185m	0	0	<1
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	0	0	39
Barium	ppm	ASTM D5185m 90	0	0	0
Molybdenum	ppm	ASTM D5185m 0	<1	0	<1
Manganese	ppm	ASTM D5185m	0	<1	3
Magnesium	ppm	ASTM D5185m 100	28	0	0
Calcium	ppm	ASTM D5185m 0	0	1	2
Phosphorus	ppm	ASTM D5185m 0	1	4	8
Zinc	ppm	ASTM D5185m 0	12	26	5
Sulfur	ppm	ASTM D5185m 23500	18811	20847	5231

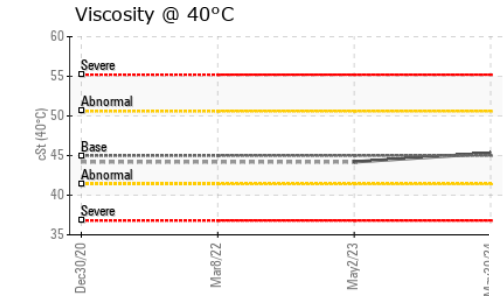
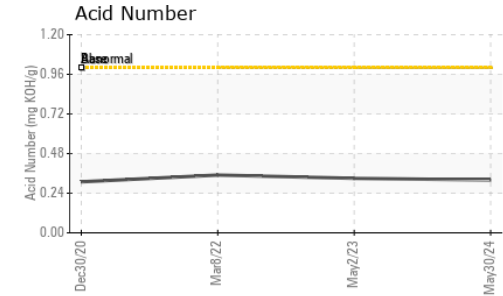
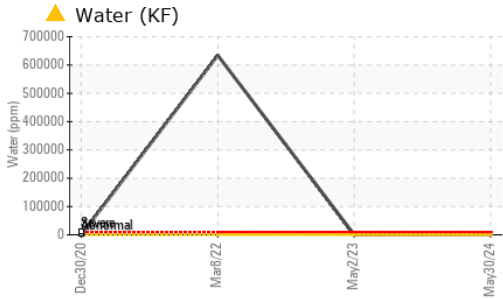
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<1	16	22
Sodium	ppm	ASTM D5185m	8	<1	3
Potassium	ppm	ASTM D5185m >20	2	0	4
Water	%	ASTM D6304 >0.05	▲ 0.166	▲ 0.071	▲ 63.4
ppm Water	ppm	ASTM D6304 >500	▲ 1660	▲ 710	▲ 634000

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.0	0.32	0.33	0.35

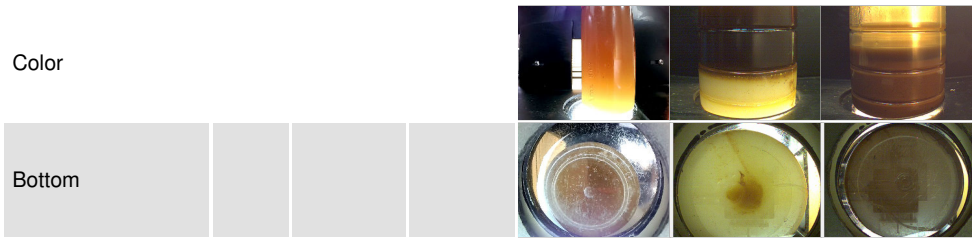
OIL ANALYSIS REPORT



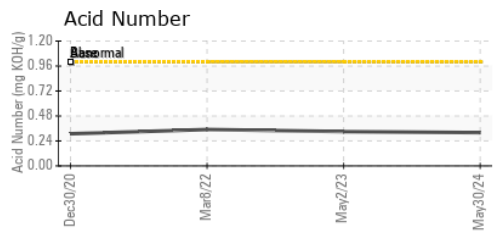
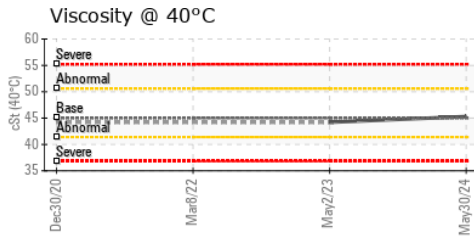
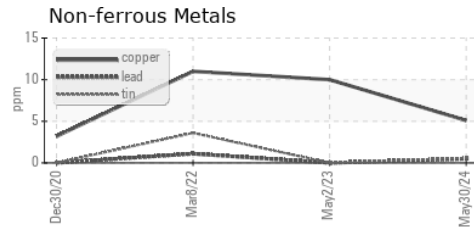
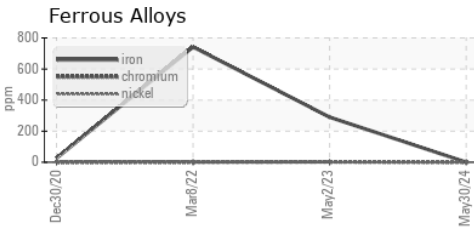
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	▲ MODER	▲ MODER
Debris	scalar	*Visual	▲ HEAVY	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	● HAZY	● MILKY
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	▲ 0.2%	▲ 0.2%
Free Water	scalar	*Visual	NEG	▲ >10%	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 45	45.3	44.2	---

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA012941 **Received** : 13 Jun 2024
Lab Number : 06209237 **Tested** : 19 Jun 2024
Unique Number : 11076698 **Diagnosed** : 19 Jun 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF, PrtCount)

AMERICAN HONDA
 1500 MORRISON PKWY
 ALPHARETTA, GA
 US 30009
 Contact: MIKE POWELL
 mike_powell@ahm.honda.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)