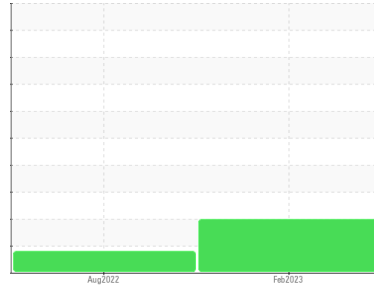




PROBLEM SUMMARY

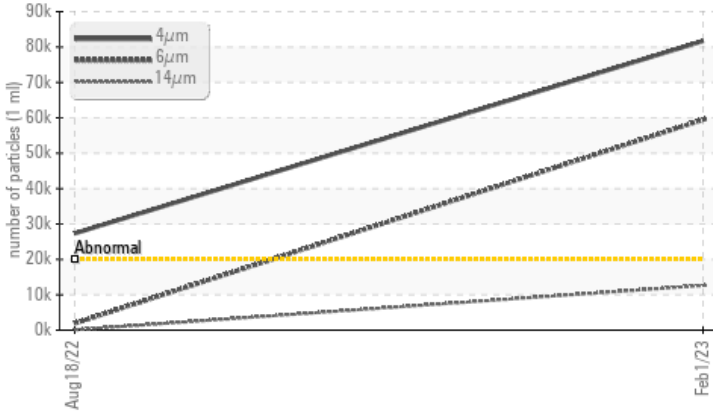
Area
BATCH SYSTEM 5
 Machine Id
BS5 HOMO GEARBOX
 Component
Gearbox
 Fluid
SCHAEFFER ISO 460 (--- LTR)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ATTENTION	---
Particles >4µm	ASTM D7647	>20000	▲ 81710	▲ 27332	---
Particles >6µm	ASTM D7647	>5000	▲ 59452	1907	---
Particles >14µm	ASTM D7647	>640	▲ 12630	92	---
Particles >21µm	ASTM D7647	>160	▲ 1533	23	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 24/23/21	▲ 22/18/14	---

Customer Id: KRAMASIOW
 Sample No.: USP234431
 Lab Number: 05762093
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	SKIPPED	May 17 2023	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

18 Aug 2022 Diag: Jonathan Hester

ISO



Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a moderate amount of silt (particulates < 6 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

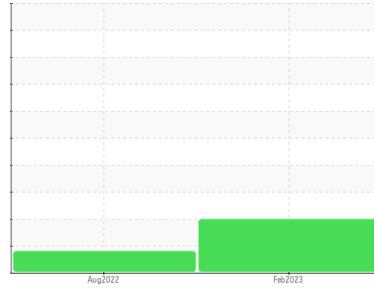
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
BATCH SYSTEM 5
 Machine Id
BS5 HOMO GEARBOX
 Component
Gearbox
 Fluid
SCHAEFFER ISO 460 (--- LTR)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. 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	USP234431	USP232478	---
Sample Date	Client Info	01 Feb 2023	18 Aug 2022	---
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	---
Sample Status		ABNORMAL	ATTENTION	---

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>200	1	11	---
Chromium	ppm	ASTM D5185m	>15	0	0	---
Nickel	ppm	ASTM D5185m	>15	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>25	0	<1	---
Lead	ppm	ASTM D5185m	>100	0	0	---
Copper	ppm	ASTM D5185m	>200	0	2	---
Tin	ppm	ASTM D5185m	>25	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m		65	110	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		2	18	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		<1	6	---
Calcium	ppm	ASTM D5185m		2	36	---
Phosphorus	ppm	ASTM D5185m		259	724	---
Zinc	ppm	ASTM D5185m		7	36	---
Sulfur	ppm	ASTM D5185m		6666	20193	---

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>50	5	12	---
Sodium	ppm	ASTM D5185m		<1	3	---
Potassium	ppm	ASTM D5185m	>20	0	0	---
Water	%	ASTM D6304	>0.2	0.008	0.005	---
ppm Water	ppm	ASTM D6304	>2000	87.3	58.8	---

FLUID CLEANLINESS

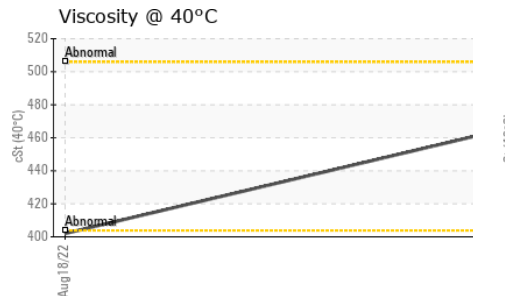
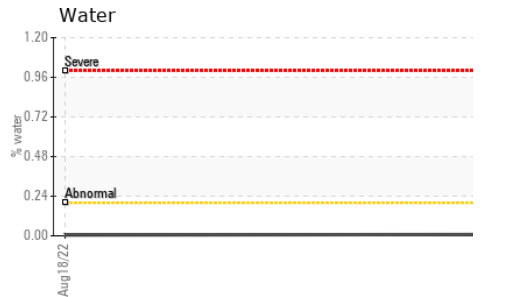
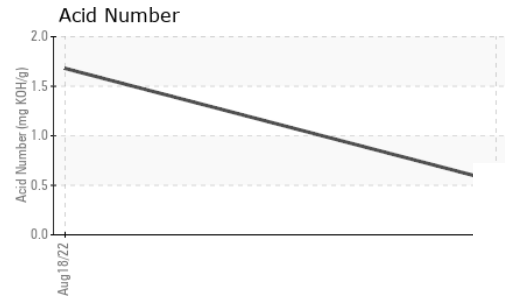
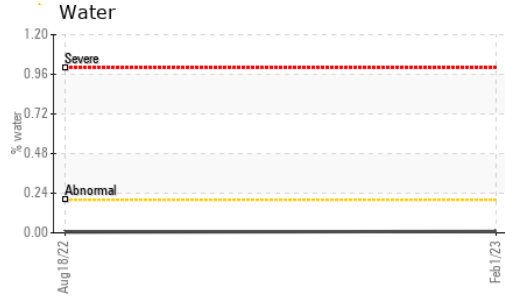
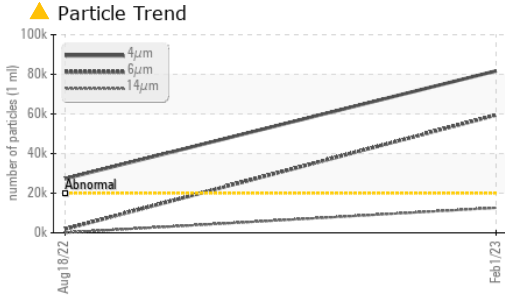
method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>20000	▲ 81710	▲ 27332	---
Particles >6µm	ASTM D7647	>5000	▲ 59452	1907	---
Particles >14µm	ASTM D7647	>640	▲ 12630	92	---
Particles >21µm	ASTM D7647	>160	▲ 1533	23	---
Particles >38µm	ASTM D7647	>40	8	1	---
Particles >71µm	ASTM D7647	>10	0	0	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 24/23/21	▲ 22/18/14	---

FLUID DEGRADATION

method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045		0.54	1.68	---



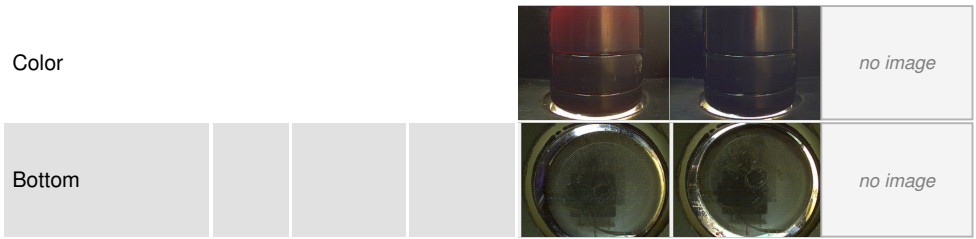
OIL ANALYSIS REPORT



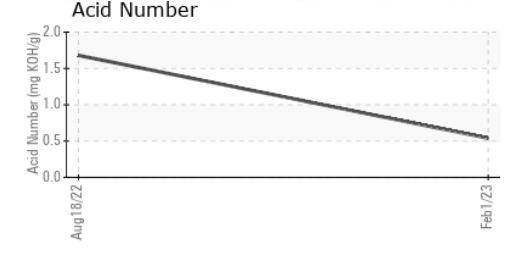
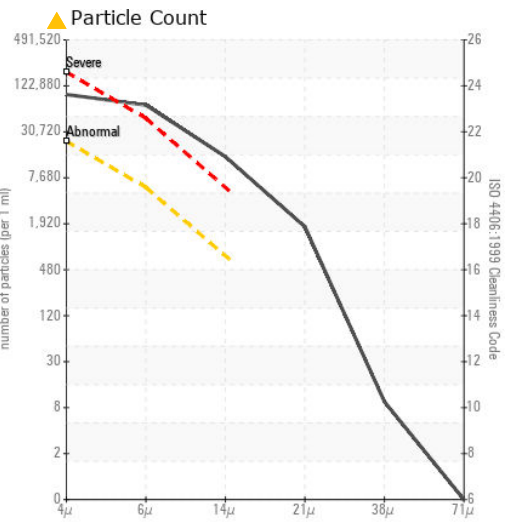
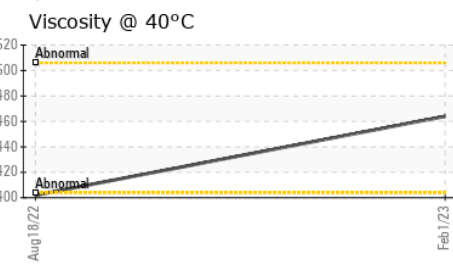
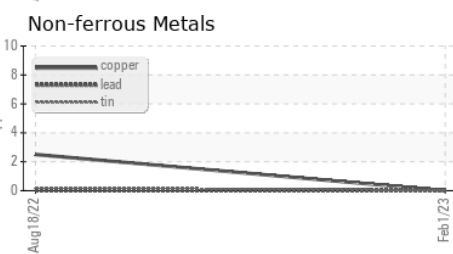
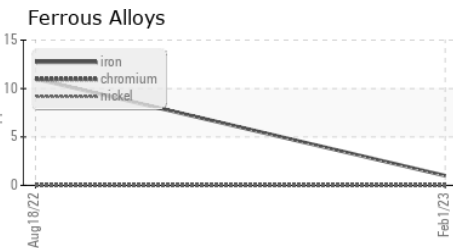
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	464	402	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP234431 **Received** : 08 Feb 2023
Lab Number : 05762093 **Diagnosed** : 09 Feb 2023
Unique Number : 10331701 **Diagnostician** : Doug Bogart
Test Package : IND 2

KraftHeinz - Mason City - Plant 8360
 1022 12TH ST
 MASON CITY, IA
 US 50401
 Contact: Service Manager

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)