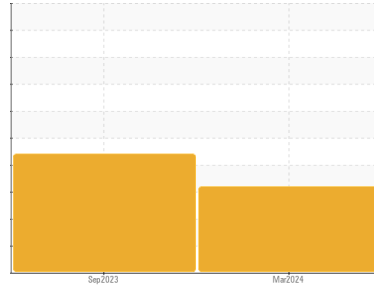


OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

Area
Phase 3 HTS
 Machine Id
HT 52
 Component
Agitator Gearbox
 Fluid
SCHAEFFER 220 (--- LTR)



DIAGNOSIS

- Recommendation**
 We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.
- Wear**
 Moderate concentration of visible metal present. Bearing and/or bushing wear is indicated.
- Contamination**
 High concentration of visible dirt/debris present in the oil.
- Fluid Condition**
 The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0111031	USP0000077	---
Sample Date	Client Info	09 Mar 2024	08 Sep 2023	---
Machine Age	hrs	0	0	---
Oil Age	hrs	0	0	---
Oil Changed	Client Info	Not Changed	N/A	---
Sample Status		ABNORMAL	ABNORMAL	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >150	16	24	---
Chromium	ppm ASTM D5185m >10	<1	2	---
Nickel	ppm ASTM D5185m >10	0	<1	---
Titanium	ppm ASTM D5185m	0	0	---
Silver	ppm ASTM D5185m	0	0	---
Aluminum	ppm ASTM D5185m >25	<1	6	---
Lead	ppm ASTM D5185m >100	2	1	---
Copper	ppm ASTM D5185m >50	257	585	---
Tin	ppm ASTM D5185m >10	24	55	---
Vanadium	ppm ASTM D5185m	<1	0	---
Cadmium	ppm ASTM D5185m	0	<1	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	38	74	---
Barium	ppm ASTM D5185m	0	0	---
Molybdenum	ppm ASTM D5185m	4	0	---
Manganese	ppm ASTM D5185m	<1	2	---
Magnesium	ppm ASTM D5185m	0	4	---
Calcium	ppm ASTM D5185m	11	<1	---
Phosphorus	ppm ASTM D5185m	683	1261	---
Zinc	ppm ASTM D5185m	18	42	---
Sulfur	ppm ASTM D5185m	10720	27338	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	12	10	---
Sodium	ppm ASTM D5185m	3	2	---
Potassium	ppm ASTM D5185m >20	1	2	---

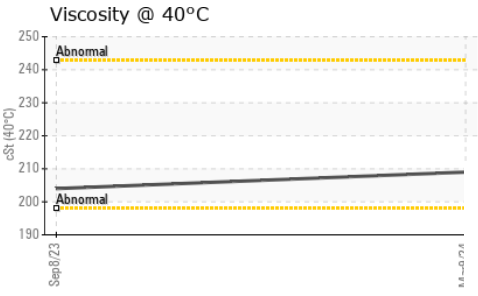
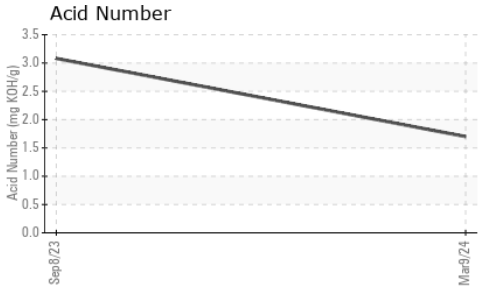
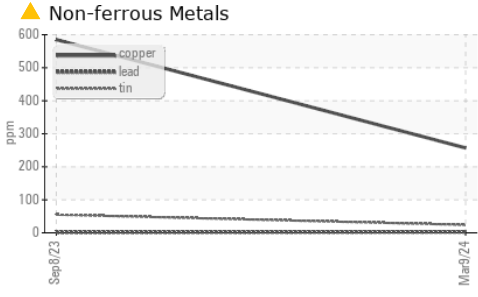
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	---	230747	---
Particles >6µm	ASTM D7647 >5000	---	158563	---
Particles >14µm	ASTM D7647 >640	---	11991	---
Particles >21µm	ASTM D7647 >160	---	1746	---
Particles >38µm	ASTM D7647 >40	---	79	---
Particles >71µm	ASTM D7647 >10	---	6	---
Oil Cleanliness	ISO 4406 (c) >21/19/16	---	25/24/21	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	1.70	3.08	---

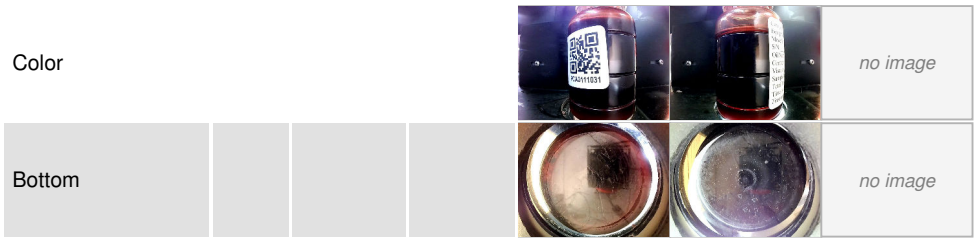
OIL ANALYSIS REPORT



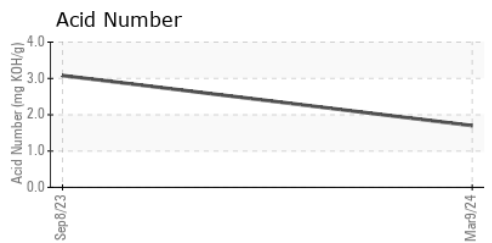
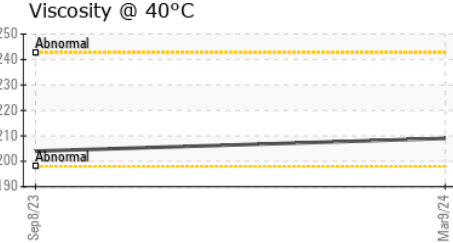
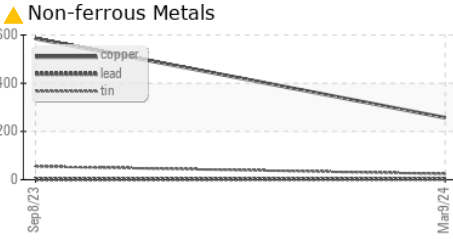
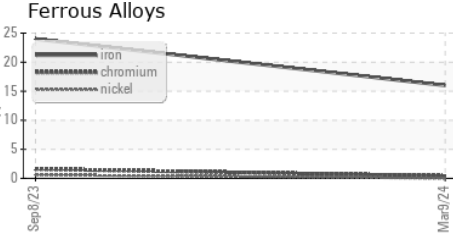
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	▲ MODER	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ HEAVY	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	209	● 204	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111031
Lab Number : 06119544
Unique Number : 10928377
Test Package : IND 2 (Additional Tests: PrtCount)

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)

T:
F: (641)421-2936