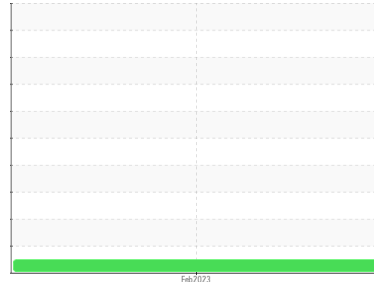




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
HT 82

Component
Agitator Gearbox

Fluid
GEAR OIL LS 80W90 (--- LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

An increase in the iron level is noted. All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

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	USP247595	---	---
Sample Date	Client Info	20 Feb 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

WEAR METALS

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

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 150	39	---	---
Barium ppm	ASTM D5185m	0	---	---
Molybdenum ppm	ASTM D5185m	4	---	---
Manganese ppm	ASTM D5185m	<1	---	---
Magnesium ppm	ASTM D5185m 10	0	---	---
Calcium ppm	ASTM D5185m 70	<1	---	---
Phosphorus ppm	ASTM D5185m 2000	635	---	---
Zinc ppm	ASTM D5185m 50	18	---	---
Sulfur ppm	ASTM D5185m 20000	7432	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >50	17	---	---
Sodium ppm	ASTM D5185m	0	---	---
Potassium ppm	ASTM D5185m >20	1	---	---
Water %	ASTM D6304 >0.1	0.026	---	---
ppm Water ppm	ASTM D6304 >1000	265.6	---	---

FLUID CLEANLINESS

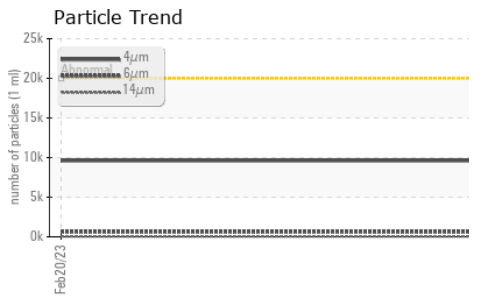
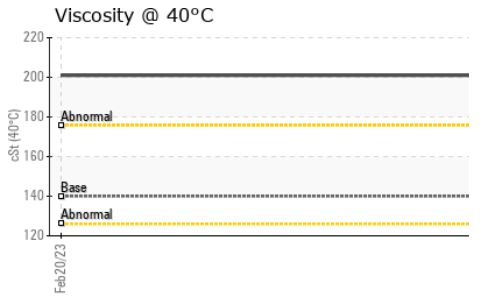
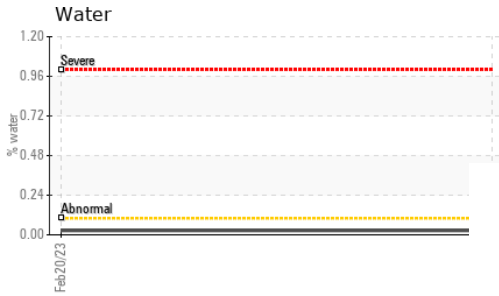
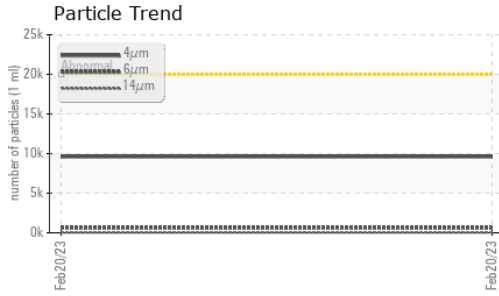
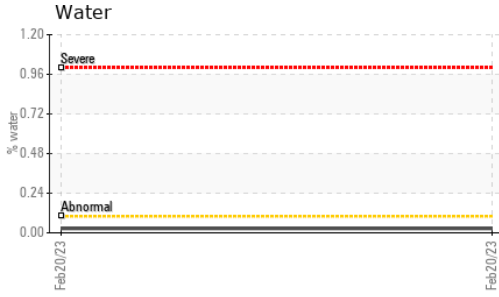
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	9612	---	---
Particles >6µm	ASTM D7647 >5000	637	---	---
Particles >14µm	ASTM D7647 >640	47	---	---
Particles >21µm	ASTM D7647 >160	13	---	---
Particles >38µm	ASTM D7647 >40	1	---	---
Particles >71µm	ASTM D7647 >10	0	---	---
Oil Cleanliness	ISO 4406 (c) >21/19/16	20/16/13	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045	0.87	---	---



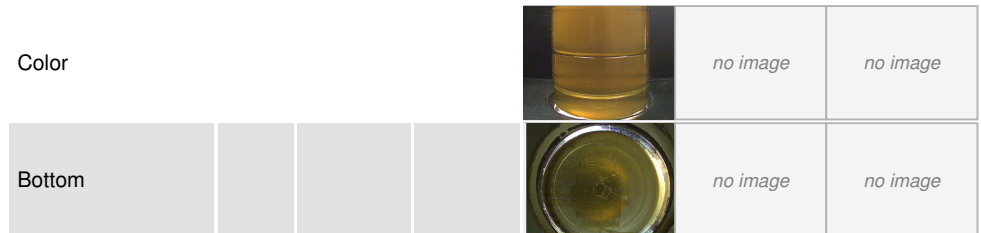
OIL ANALYSIS REPORT



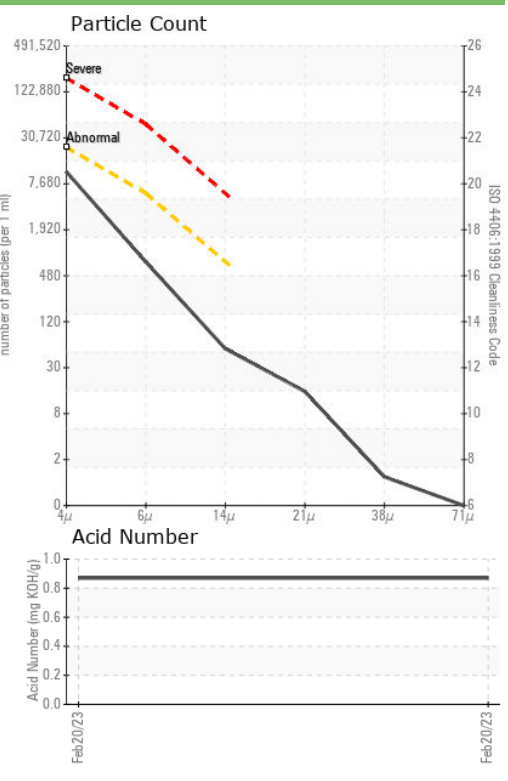
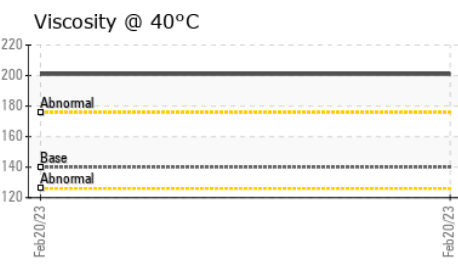
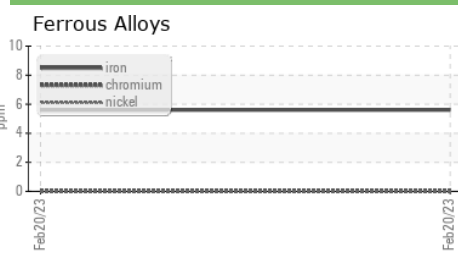
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	140	201	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP247595 **Received** : 27 Feb 2023
Lab Number : 05777502 **Diagnosed** : 28 Feb 2023
Unique Number : 10352119 **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)

T:
 F: (641)421-2936