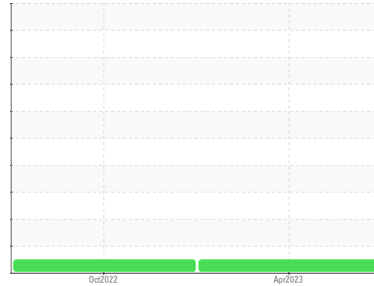




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**HT 83**

Component  
**Agitator Gearbox**

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

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

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	<b>USP247590</b>	USP234450	---
Sample Date	Client Info	<b>24 Apr 2023</b>	20 Oct 2022	---
Machine Age	hrs Client Info	<b>0</b>	0	---
Oil Age	hrs Client Info	<b>0</b>	0	---
Oil Changed	Client Info	<b>N/A</b>	N/A	---
Sample Status		<b>NORMAL</b>	NORMAL	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>150	<b>16</b>	15	---
Chromium ppm ASTM D5185m	>10	<b>0</b>	0	---
Nickel ppm ASTM D5185m	>10	<b>0</b>	0	---
Titanium ppm ASTM D5185m		<b>0</b>	0	---
Silver ppm ASTM D5185m		<b>0</b>	<1	---
Aluminum ppm ASTM D5185m	>25	<b>0</b>	0	---
Lead ppm ASTM D5185m	>100	<b>0</b>	0	---
Copper ppm ASTM D5185m	>50	<b>5</b>	0	---
Tin ppm ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Vanadium ppm ASTM D5185m		<b>0</b>	0	---
Cadmium ppm ASTM D5185m		<b>0</b>	0	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	150	<b>159</b>	160	---
Barium ppm ASTM D5185m		<b>0</b>	0	---
Molybdenum ppm ASTM D5185m		<b>2</b>	2	---
Manganese ppm ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium ppm ASTM D5185m	10	<b>&lt;1</b>	0	---
Calcium ppm ASTM D5185m	70	<b>5</b>	6	---
Phosphorus ppm ASTM D5185m	2000	<b>1011</b>	989	---
Zinc ppm ASTM D5185m	50	<b>33</b>	32	---
Sulfur ppm ASTM D5185m	20000	<b>18106</b>	21487	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	<b>19</b>	15	---
Sodium ppm ASTM D5185m		<b>4</b>	5	---
Potassium ppm ASTM D5185m	>20	<b>6</b>	2	---
Water % ASTM D6304	>0.1	<b>0.017</b>	0.016	---
ppm Water ppm ASTM D6304	>1000	<b>179.0</b>	161.8	---

## FLUID CLEANLINESS

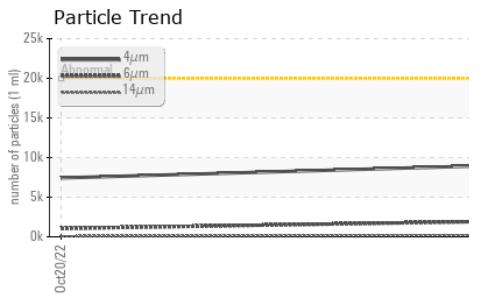
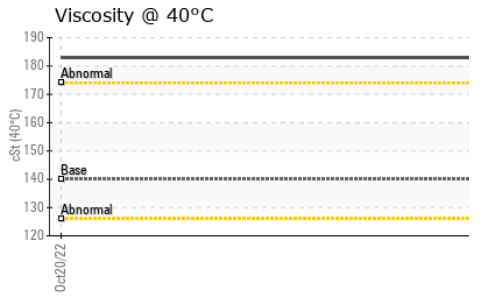
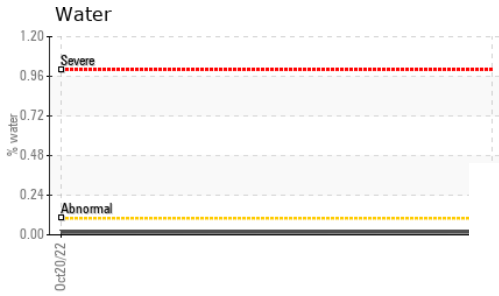
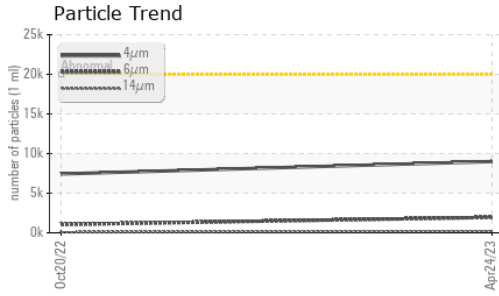
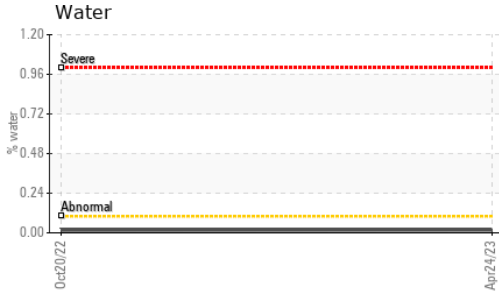
method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>20000	<b>8994</b>	7432	---
Particles >6µm ASTM D7647	>5000	<b>1948</b>	1051	---
Particles >14µm ASTM D7647	>640	<b>199</b>	69	---
Particles >21µm ASTM D7647	>160	<b>54</b>	16	---
Particles >38µm ASTM D7647	>40	<b>6</b>	0	---
Particles >71µm ASTM D7647	>10	<b>0</b>	0	---
Oil Cleanliness ISO 4406 (c)	>21/19/16	<b>20/18/15</b>	20/17/13	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		<b>1.68</b>	1.77	---



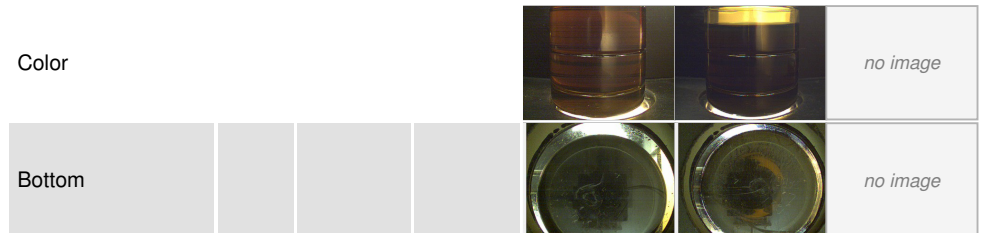
# OIL ANALYSIS REPORT



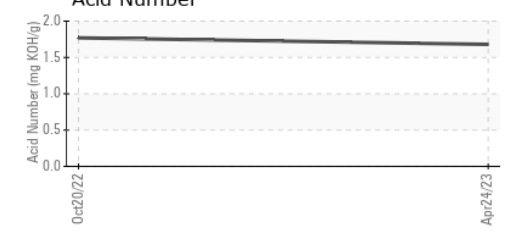
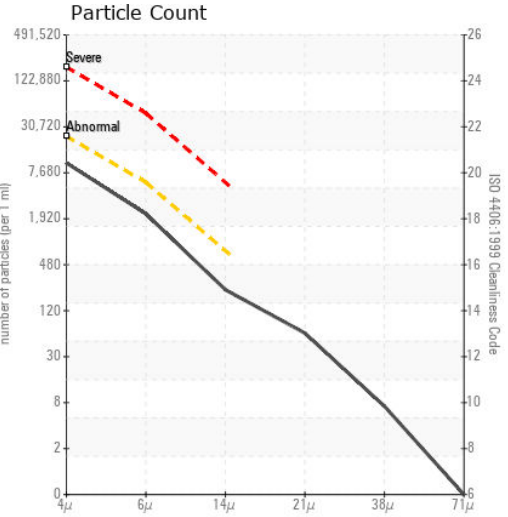
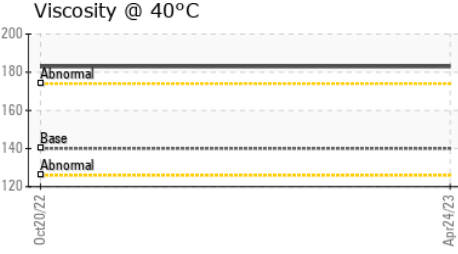
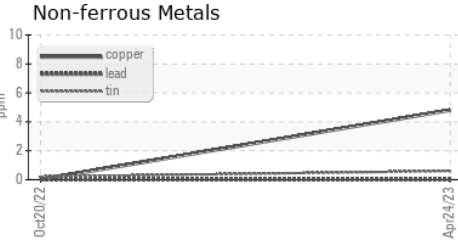
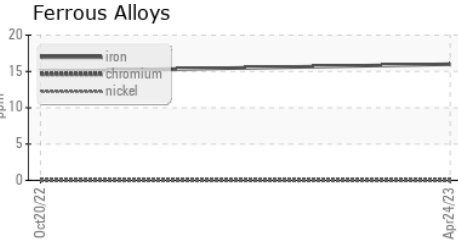
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	<b>183</b>	183	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USP247590 **Received** : 02 May 2023  
**Lab Number** : 05835339 **Diagnosed** : 03 May 2023  
**Unique Number** : 10454142 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

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

Certificate L2367  
 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