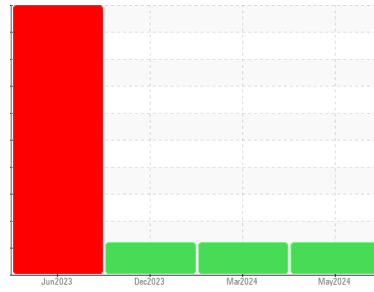




# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**MIX MIXER**  
 Component  
**Gearbox**  
 Fluid  
 {not provided} (--- LTR)

## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 microns in size) 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	<b>USP234608</b>	USP213440	USP234602
Sample Date	Client Info	<b>15 May 2024</b>	03 Mar 2024	04 Dec 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	<b>106</b>	121	26
Chromium	ppm	ASTM D5185m >15	<b>8</b>	5	<1
Nickel	ppm	ASTM D5185m >15	<b>2</b>	2	0
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185m >100	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >200	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m >25	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	<b>0</b>	0	6
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m	<b>1</b>	3	<1
Magnesium	ppm	ASTM D5185m	<b>0</b>	7	0
Calcium	ppm	ASTM D5185m	<b>46</b>	2009	796
Phosphorus	ppm	ASTM D5185m	<b>553</b>	681	563
Zinc	ppm	ASTM D5185m	<b>10</b>	21	0
Sulfur	ppm	ASTM D5185m	<b>1379</b>	894	1242

## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	<b>2</b>	6	5
Sodium	ppm	ASTM D5185m	<b>5</b>	2	2
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	<1
Water	%	ASTM D6304 >0.2	<b>0.006</b>	0.014	0.008
ppm Water	ppm	ASTM D6304 >2000	<b>65</b>	147	86

## FLUID CLEANLINESS

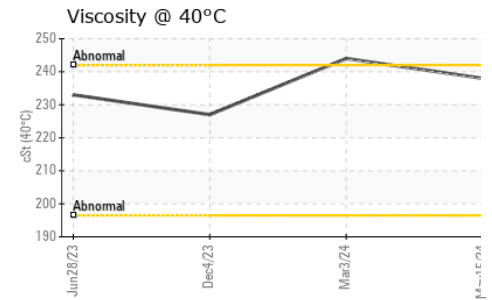
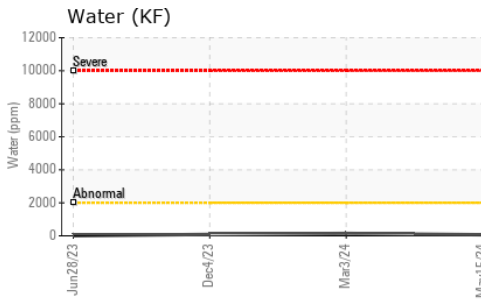
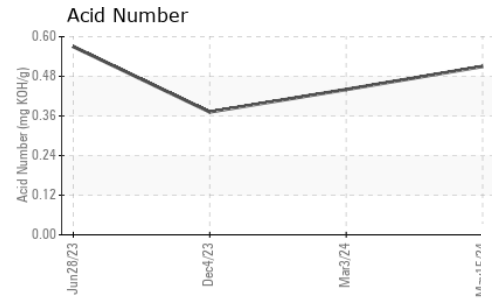
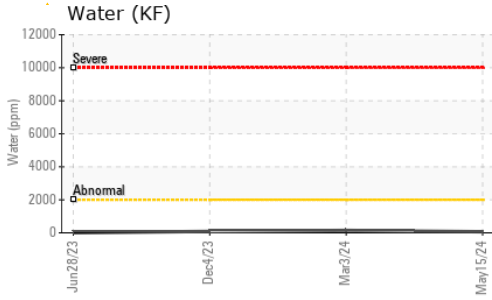
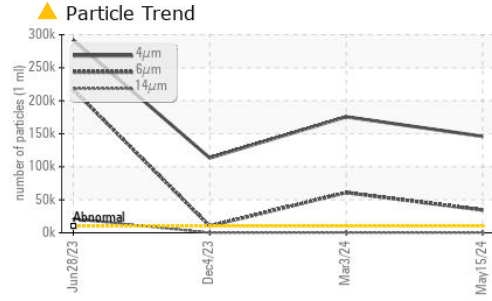
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>▲ 146039</b>	▲ 175657	▲ 113362
Particles >6µm	ASTM D7647 >2500	<b>▲ 34501</b>	▲ 60923	▲ 10232
Particles >14µm	ASTM D7647 >640	<b>181</b>	358	41
Particles >21µm	ASTM D7647 >160	<b>22</b>	73	8
Particles >38µm	ASTM D7647 >40	<b>1</b>	4	1
Particles >71µm	ASTM D7647 >10	<b>1</b>	0	0
Oil Cleanliness	ISO 4406 (c) >20/18/16	<b>▲ 24/22/15</b>	▲ 25/23/16	▲ 24/21/13

## FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.51</b>	0.44	0.372



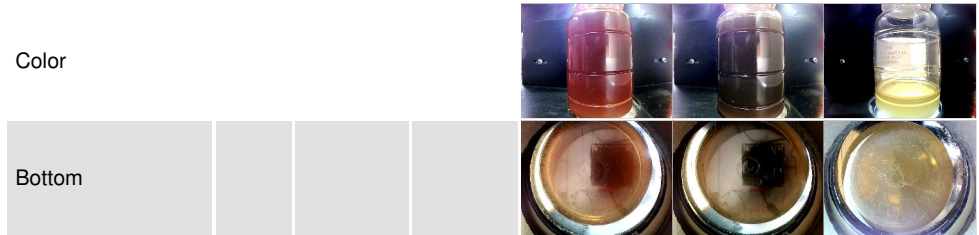
# OIL ANALYSIS REPORT



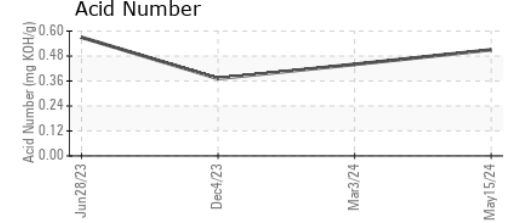
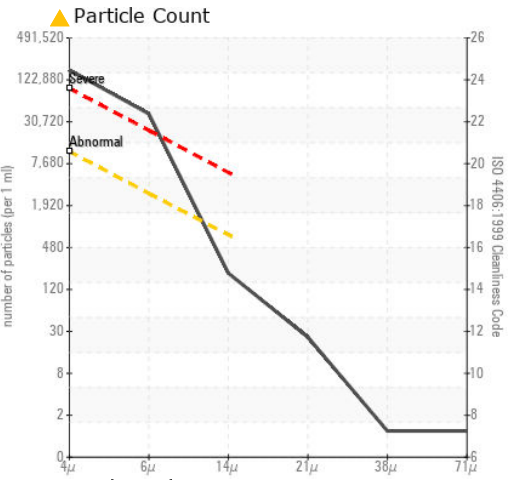
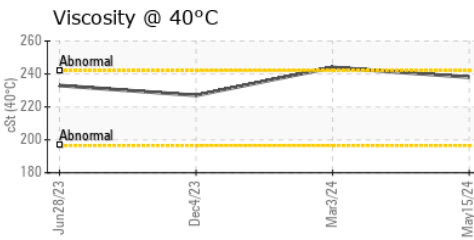
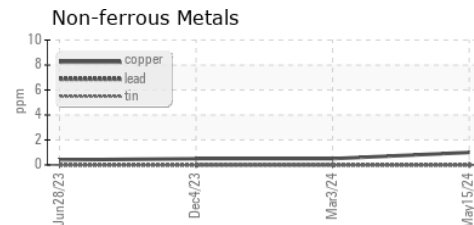
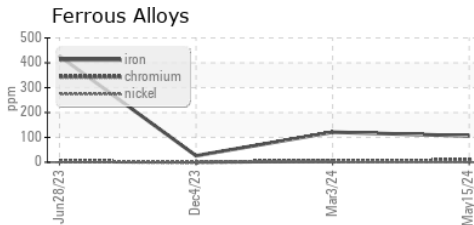
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	238	244	227

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. : USP234608  
 Lab Number : 06181336  
 Unique Number : 11032662  
 Test Package : IND 2

Received : 16 May 2024  
 Tested : 17 May 2024  
 Diagnosed : 20 May 2024 - Angela Borella

**KraftHeinz - Fort Myers - Plant 8374**  
 5521 DIVISION DR  
 FORT MYERS, FL  
 US 33905

Contact: RON MOGENSEN  
 ronnie.mogensen@kraftheinz.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)

T:  
F: