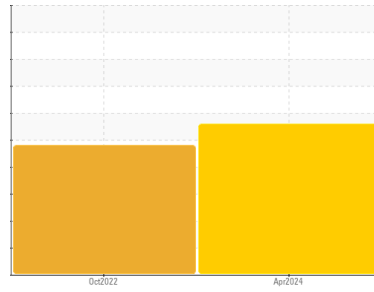




# PROBLEM SUMMARY

Area  
 {UNASSIGNED}  
 Machine Id  
**Mix Center 5 East Auger (10038186E)**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL (PAG) ISO 220 (--- GAL)**

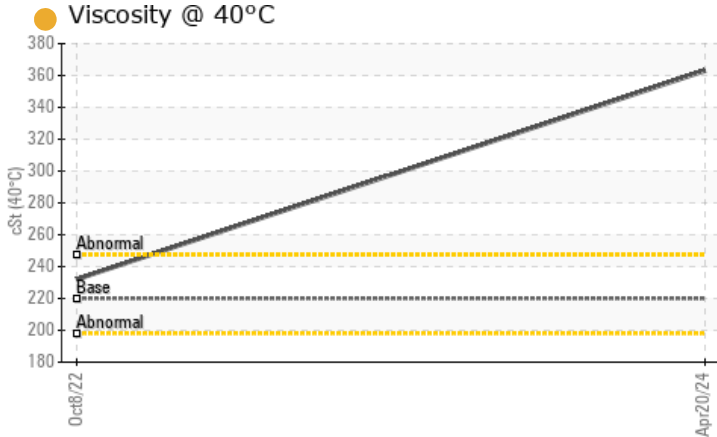
Sample Rating Trend



**WATER**



## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	---
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	---
Free Water	scalar	*Visual		▲ 1.0	▲ 2.0	---

Customer Id: WORZAN  
 Sample No.: WC0773914  
 Lab Number: 06183417  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

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

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

## HISTORICAL DIAGNOSIS

### WATER



#### 08 Oct 2022 Diag: Don Baldrige

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Free water present. The AN level is acceptable for this fluid.

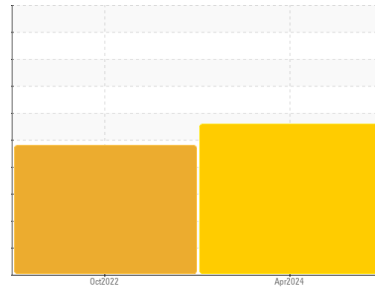
view report





# OIL ANALYSIS REPORT

## Sample Rating Trend



WATER



Area

{UNASSIGNED}

Machine Id

Mix Center 5 East Auger (10038186E)

Component

Gearbox

Fluid

GEAR OIL (PAG) ISO 220 (--- GAL)

### DIAGNOSIS

#### ▲ Recommendation

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

#### Wear

All component wear rates are normal.

#### ▲ Contamination

Moderate concentration of visible dirt/debris present in the oil. Free water present.

#### ● Fluid Condition

The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0773914	WC0656094	---
Sample Date	Client Info		20 Apr 2024	08 Oct 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			SEVERE	SEVERE	---

### WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		208	87	---
Iron	ppm	ASTM D5185m >200	193	68	---
Chromium	ppm	ASTM D5185m >15	2	<1	---
Nickel	ppm	ASTM D5185m >15	<1	<1	---
Titanium	ppm	ASTM D5185m	1	<1	---
Silver	ppm	ASTM D5185m	<1	0	---
Aluminum	ppm	ASTM D5185m >25	2	<1	---
Lead	ppm	ASTM D5185m >100	<1	0	---
Copper	ppm	ASTM D5185m >200	<1	0	---
Tin	ppm	ASTM D5185m >25	<1	<1	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	<1	0	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	0	0	---
Barium	ppm	ASTM D5185m 5	3	1	---
Molybdenum	ppm	ASTM D5185m 5	<1	0	---
Manganese	ppm	ASTM D5185m	3	1	---
Magnesium	ppm	ASTM D5185m 5	1	1	---
Calcium	ppm	ASTM D5185m 5	9	2	---
Phosphorus	ppm	ASTM D5185m 775	195	525	---
Zinc	ppm	ASTM D5185m 5	14	3	---
Sulfur	ppm	ASTM D5185m 2000	751	801	---

### CONTAMINANTS

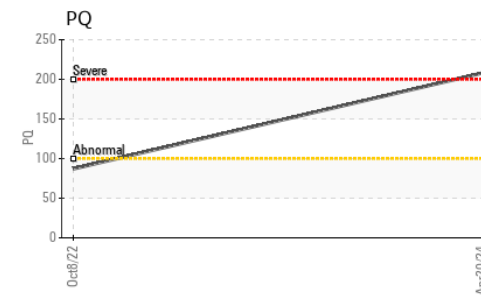
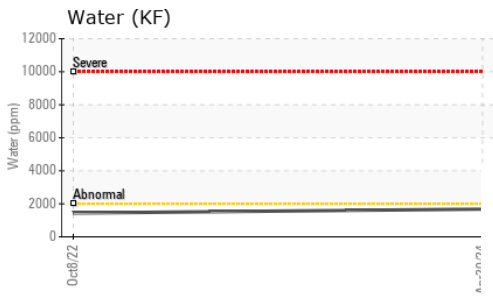
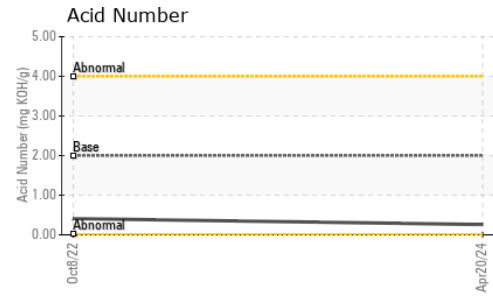
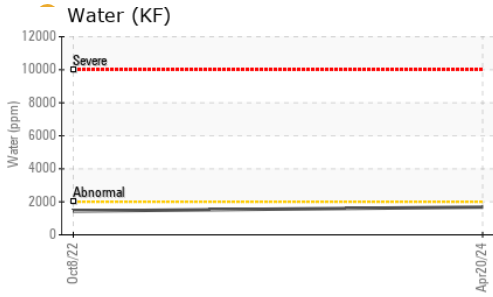
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	8	3	---
Sodium	ppm	ASTM D5185m	25	11	---
Potassium	ppm	ASTM D5185m >20	6	2	---
Water	%	ASTM D6304 >0.2	0.168	0.144	---
ppm Water	ppm	ASTM D6304 >2000	1680	1440	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 2.00	0.26	0.41	---



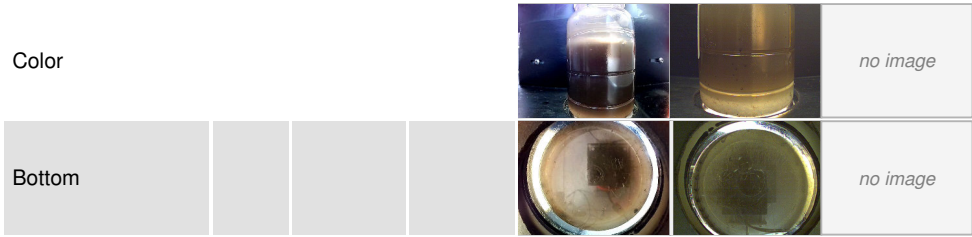
# OIL ANALYSIS REPORT



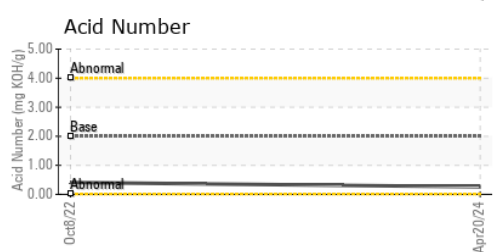
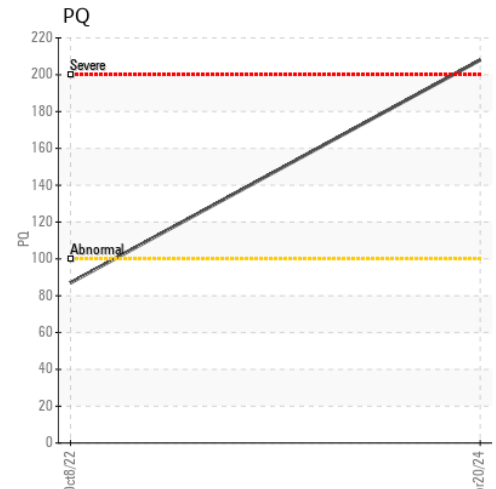
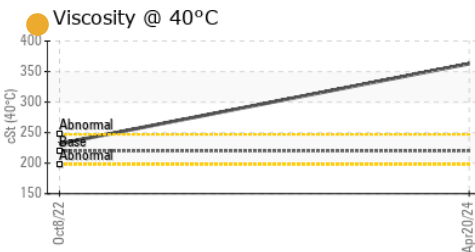
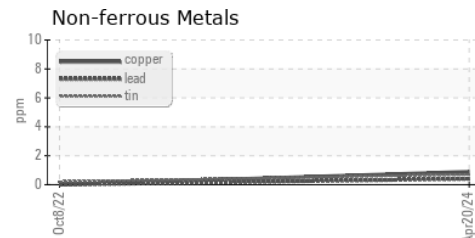
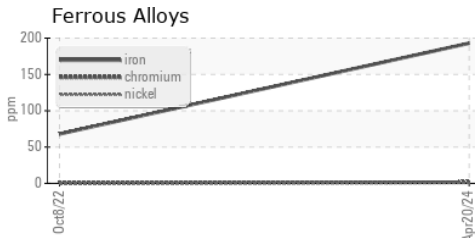
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	0.2%	0.2%
Free Water	scalar	*Visual		▲ 1.0	▲ 2.0

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	● 363	232

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.** : WC0773914      **Received** : 17 May 2024  
**Lab Number** : 06183417      **Tested** : 21 May 2024  
**Unique Number** : 11034743      **Diagnosed** : 21 May 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, PQ )

**WORTHINGTON FOODS INC**  
 1675 FAIRVIEW ROAD  
 ZANESVILLE, OH  
 US 43701-5168  
 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: