



# PROBLEM SUMMARY

Sample Rating Trend

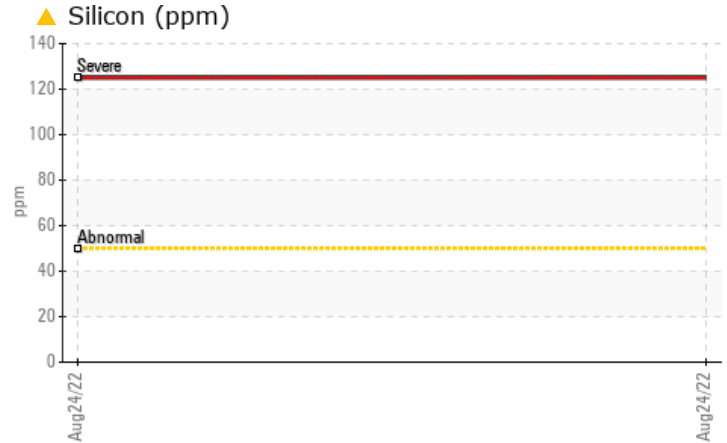
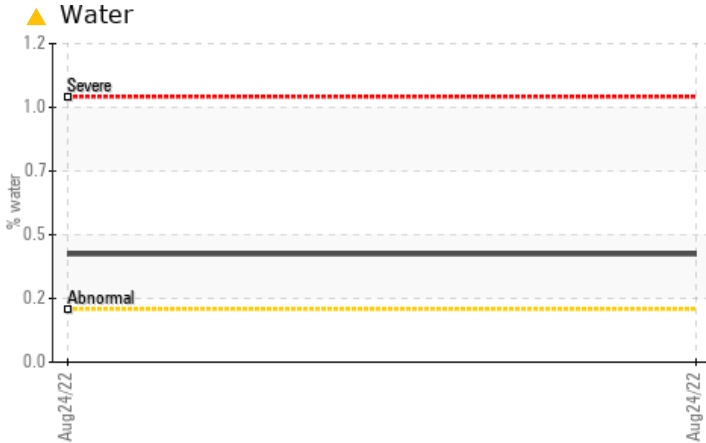
**WATER**



Area  
**[22-00676479-000]**  
 Machine Id  
**102-BR035 - DIVIDER METER PUMP OPERATOR SIDE**  
 Component  
**Gearbox**  
 Fluid  
**NOT GIVEN (--- GAL)**



## 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 and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. Please specify the brand and viscosity of the oil on your next sample. There is too much water present in this sample to perform a particle count.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Silicon	ppm	ASTM D5185m	>50	▲ <b>125</b>	---	---
Water	%	ASTM D6304	>0.2	▲ <b>0.407</b>	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ <b>4070</b>	---	---
Appearance	scalar	*Visual	NORML	▲ <b>HAZY</b>	---	---
Free Water	scalar	*Visual		▲ <b>1.0</b>	---	---

Customer Id: COUBOW  
 Sample No.: USP232799  
 Lab Number: 05627453  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Doug Bogart +1 (800)237-1369 x4016  
[dougb@wearcheckusa.com](mailto:dougb@wearcheckusa.com)

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, and use off-line filtration to improve the cleanliness of the system fluid.
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

## HISTORICAL DIAGNOSIS



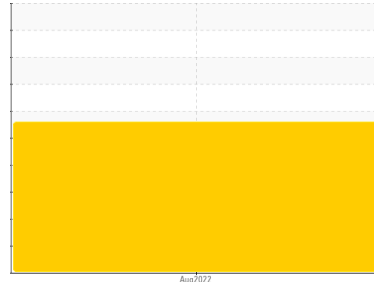
# OIL ANALYSIS REPORT

Sample Rating Trend

**WATER**



Area  
**[22-00676479-000]**  
 Machine Id  
**102-BR035 - DIVIDER METER PUMP OPERATOR SIDE**  
 Component  
**Gearbox**  
 Fluid  
**NOT GIVEN (--- 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 and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. Please specify the brand and viscosity of the oil on your next sample. There is too much water present in this sample to perform a particle count.

### Wear

All component wear rates are normal.

### Contamination

Appearance is hazy. Free water present. There is a moderate concentration of water present in the oil. Elemental level of silicon (Si) above normal.

### Fluid Condition

The AN level is acceptable for this fluid.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>USP232799</b>	---	---
Sample Date	Client Info	<b>24 Aug 2022</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	<b>11</b>	---	---
Chromium ppm ASTM D5185m	>15	<b>&lt;1</b>	---	---
Nickel ppm ASTM D5185m	>15	<b>1</b>	---	---
Titanium ppm ASTM D5185m		<b>0</b>	---	---
Silver ppm ASTM D5185m		<b>1</b>	---	---
Aluminum ppm ASTM D5185m	>25	<b>5</b>	---	---
Lead ppm ASTM D5185m	>100	<b>&lt;1</b>	---	---
Copper ppm ASTM D5185m	>200	<b>2</b>	---	---
Tin ppm ASTM D5185m	>25	<b>&lt;1</b>	---	---
Vanadium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Cadmium ppm ASTM D5185m		<b>&lt;1</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>24</b>	---	---
Barium ppm ASTM D5185m		<b>0</b>	---	---
Molybdenum ppm ASTM D5185m		<b>3</b>	---	---
Manganese ppm ASTM D5185m		<b>1</b>	---	---
Magnesium ppm ASTM D5185m		<b>8</b>	---	---
Calcium ppm ASTM D5185m		<b>111</b>	---	---
Phosphorus ppm ASTM D5185m		<b>333</b>	---	---
Zinc ppm ASTM D5185m		<b>147</b>	---	---
Sulfur ppm ASTM D5185m		<b>14872</b>	---	---

## CONTAMINANTS

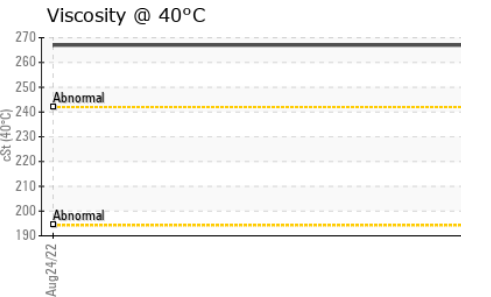
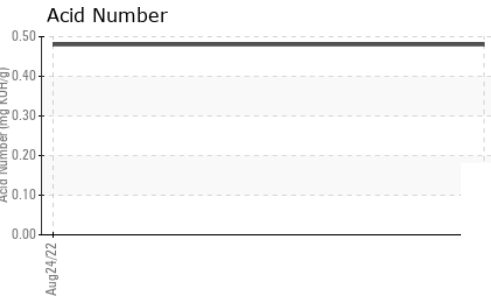
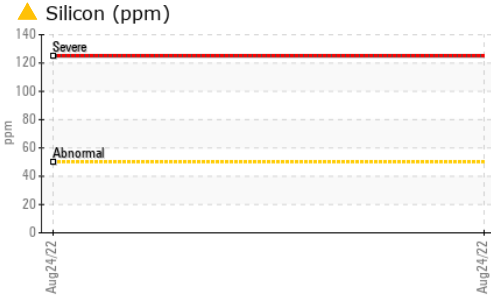
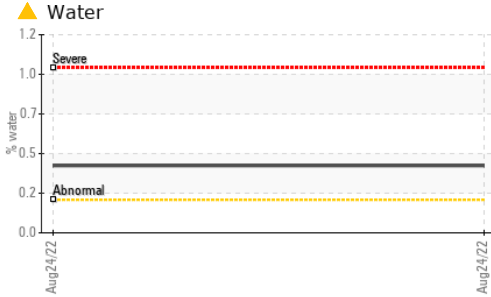
method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	<b>▲ 125</b>	---	---
Sodium ppm ASTM D5185m		<b>8</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>&lt;1</b>	---	---
Water % ASTM D6304	>0.2	<b>▲ 0.407</b>	---	---
ppm Water ppm ASTM D6304	>2000	<b>▲ 4070</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		<b>0.48</b>	---	---




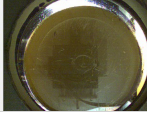
# OIL ANALYSIS REPORT



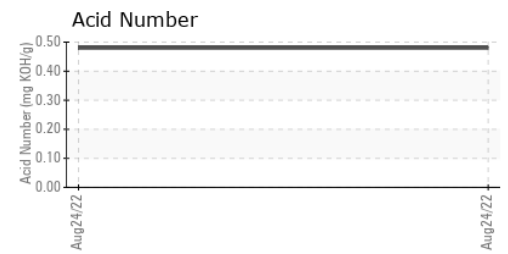
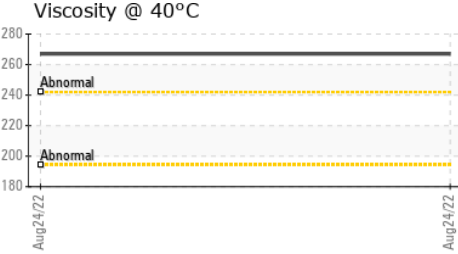
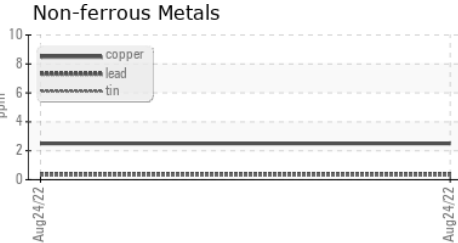
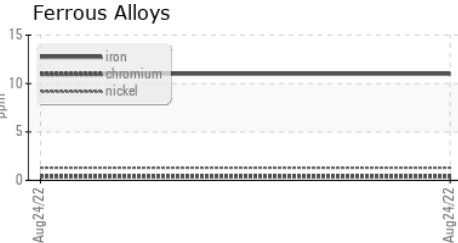
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	267	---	---

### SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USP232799 **Received** : 25 Aug 2022  
**Lab Number** : 05627453 **Diagnosed** : 30 Aug 2022  
**Unique Number** : 10111974 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

**COUNTRY OVEN BAKERY - USP**  
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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)