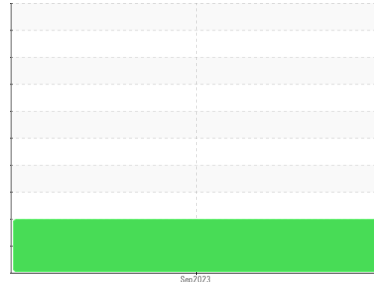


# PROBLEM SUMMARY

Sample Rating Trend



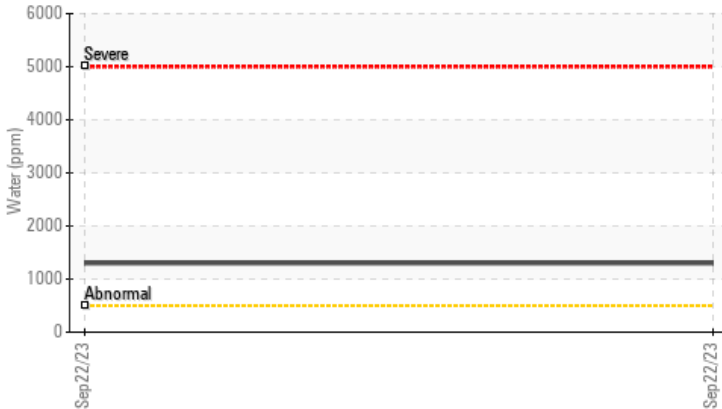
**WATER**



Machine Id  
**PRESS GREENERD 120T**  
 Component  
**Hydraulic System**  
 Fluid  
**DENNIS BURKE AW 46 (200 GAL)**

## COMPONENT CONDITION SUMMARY

▲ Water (KF)



## 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 you service the filters on this component. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Water	%	ASTM D6304	>0.05	▲ <b>0.130</b>	---	---
ppm Water	ppm	ASTM D6304	>500	▲ <b>1300</b>	---	---
Debris	scalar	*Visual	NONE	▲ <b>MODER</b>	---	---

**Customer Id:** SENS  
**Sample No.:** ST40543  
**Lab Number:** 05969658  
**Test Package:** IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Angela Borella +1 800-237-1369  
[angela.borella@wearcheckusa.com](mailto:angela.borella@wearcheckusa.com)

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

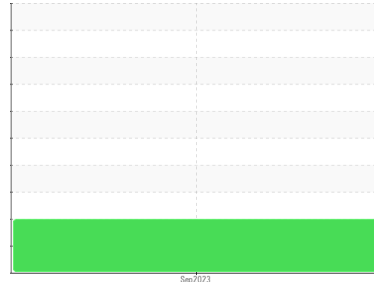
## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

## HISTORICAL DIAGNOSIS



Machine Id  
**PRESS GREENERD 120T**  
 Component  
**Hydraulic System**  
 Fluid  
**DENNIS BURKE AW 46 (200 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 you service the filters on this component. Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil.

**Fluid Condition**  
 The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>ST40543</b>	---	---
Sample Date	Client Info		<b>22 Sep 2023</b>	---	---
Machine Age	mths Client Info		<b>0</b>	---	---
Oil Age	mths Client Info		<b>84</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	>20	<b>&lt;1</b>	---	---
Chromium	ppm ASTM D5185m	>20	<b>0</b>	---	---
Nickel	ppm ASTM D5185m	>20	<b>0</b>	---	---
Titanium	ppm ASTM D5185m		<b>0</b>	---	---
Silver	ppm ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm ASTM D5185m	>20	<b>0</b>	---	---
Lead	ppm ASTM D5185m	>20	<b>0</b>	---	---
Copper	ppm ASTM D5185m	>20	<b>7</b>	---	---
Tin	ppm ASTM D5185m	>20	<b>0</b>	---	---
Vanadium	ppm ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm ASTM D5185m		<b>0</b>	---	---

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		<b>0</b>	---	---
Barium	ppm ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Manganese	ppm ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Calcium	ppm ASTM D5185m		<b>5</b>	---	---
Phosphorus	ppm ASTM D5185m		<b>369</b>	---	---
Zinc	ppm ASTM D5185m		<b>428</b>	---	---
Sulfur	ppm ASTM D5185m		<b>1186</b>	---	---

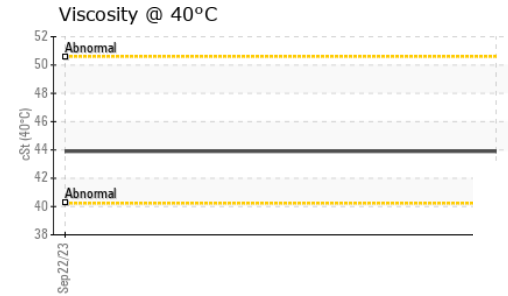
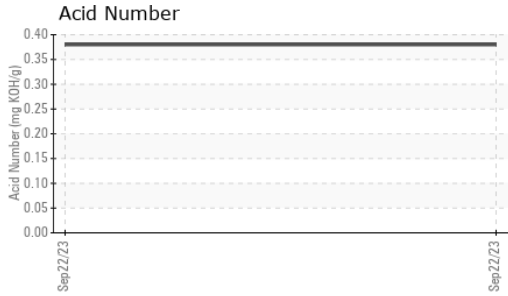
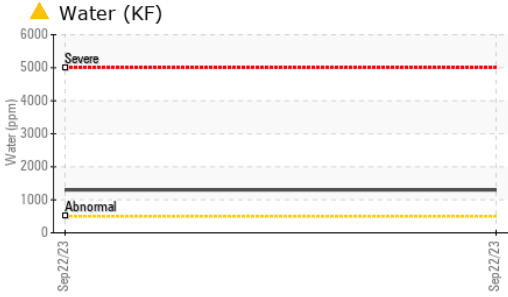
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>15	<b>&lt;1</b>	---	---
Sodium	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Potassium	ppm ASTM D5185m	>20	<b>&lt;1</b>	---	---
Water	% ASTM D6304	>0.05	<b>▲ 0.130</b>	---	---
ppm Water	ppm ASTM D6304	>500	<b>▲ 1300</b>	---	---

**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		<b>0.38</b>	---	---

# OIL ANALYSIS REPORT



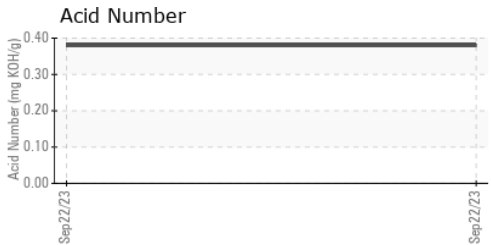
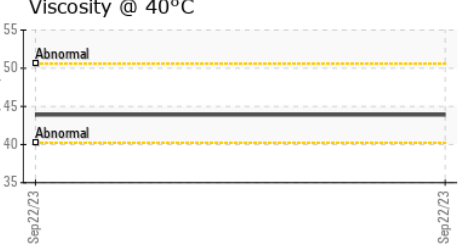
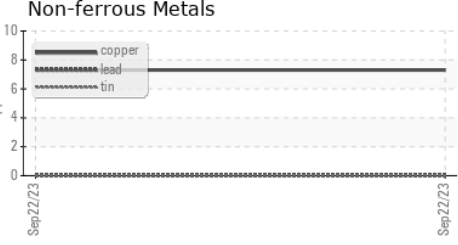
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	▲ MODER	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.05	0.2%	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	43.9	---	---

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

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ST40543 **Received** : 04 Oct 2023  
**Lab Number** : 05969658 **Diagnosed** : 09 Oct 2023  
**Unique Number** : 10676209 **Diagnostician** : Angela Borella  
**Test Package** : IND 2 ( Additional Tests: KF )

**SENIOR OPERATIONS - METAL BELLOWS DIV**  
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 SHARON, MA  
 US 02067  
 Contact: MATT CINELLI  
 mcinelli@metalbelloows.com  
 T: (781)784-1400  
 F:

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)