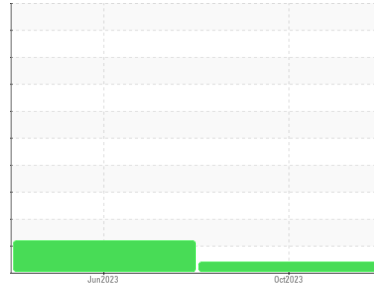


# PROBLEM SUMMARY

Sample Rating Trend



**VIS DEBRIS**



Machine Id  
**SMALL**

Component  
**Hydraulic System**

Fluid  
**AW HYDRAULIC OIL ISO 46 (900 GAL)**

## COMPONENT CONDITION SUMMARY

No relevant graphs to display

## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

## PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ATTENTION	---
Debris	scalar	*Visual	NONE	▲ MODER	NONE	---

**Customer Id:** FAMPUN  
**Sample No.:** ST43264  
**Lab Number:** 05978925  
**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
Change Filter	---	---	?	We recommend you service the filters on this component.
Contact Required	---	---	?	Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.
Alert	---	---	?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

## HISTORICAL DIAGNOSIS

### 20 Jun 2023 Diag: Wes Davis

ISO



We recommend you service the filters on this component. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.  
All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

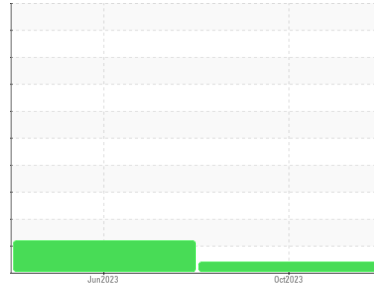
view report



Machine Id  
**SMALL**

Component  
**Hydraulic System**

Fluid  
**AW HYDRAULIC OIL ISO 46 (900 GAL)**



## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

### Wear

All component wear rates are normal.

### Contamination

Moderate concentration of visible dirt/debris 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>ST43264</b>	ST44765	---
Sample Date	Client Info		<b>06 Oct 2023</b>	20 Jun 2023	---
Machine Age	yrs	Client Info	<b>0</b>	0	---
Oil Age	yrs	Client Info	<b>1</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>ABNORMAL</b>	ATTENTION	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>0</b>	2	---
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185m >20	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >20	<b>0</b>	0	---
Lead	ppm	ASTM D5185m >20	<b>0</b>	1	---
Copper	ppm	ASTM D5185m >20	<b>1</b>	2	---
Tin	ppm	ASTM D5185m >20	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	<b>1</b>	0	---
Barium	ppm	ASTM D5185m 5	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 5	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 25	<b>&lt;1</b>	1	---
Calcium	ppm	ASTM D5185m 200	<b>134</b>	143	---
Phosphorus	ppm	ASTM D5185m 300	<b>343</b>	369	---
Zinc	ppm	ASTM D5185m 370	<b>435</b>	456	---
Sulfur	ppm	ASTM D5185m 2500	<b>1507</b>	1594	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>1</b>	1	---
Sodium	ppm	ASTM D5185m	<b>1</b>	1	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	3	---
Water	%	ASTM D6304 >0.05	<b>0.003</b>	0.003	---
ppm Water	ppm	ASTM D6304 >500	<b>38.8</b>	25.6	---

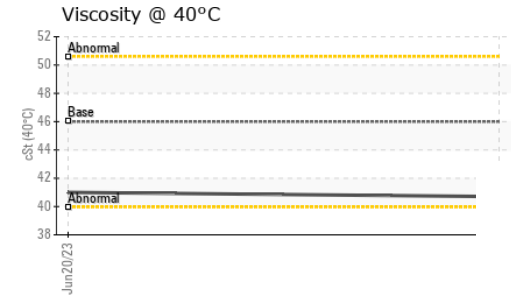
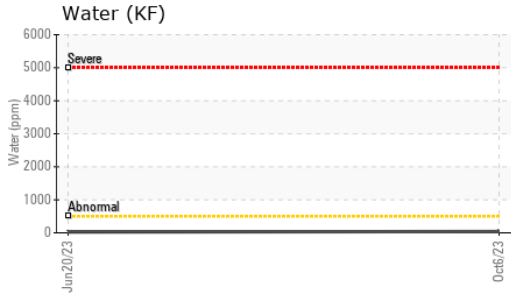
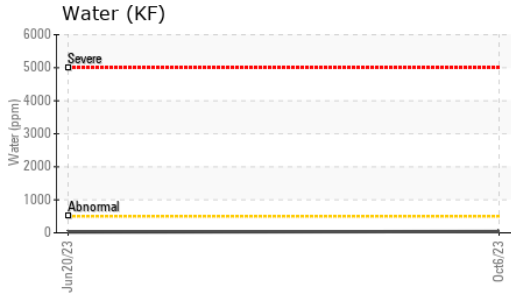
## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	---	▲ 9289	---
Particles >6µm	ASTM D7647	>1300	---	▲ 2283	---
Particles >14µm	ASTM D7647	>160	---	123	---
Particles >21µm	ASTM D7647	>40	---	28	---
Particles >38µm	ASTM D7647	>10	---	1	---
Particles >71µm	ASTM D7647	>3	---	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	---	▲ 20/18/14	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.57	<b>0.40</b>	0.40	---

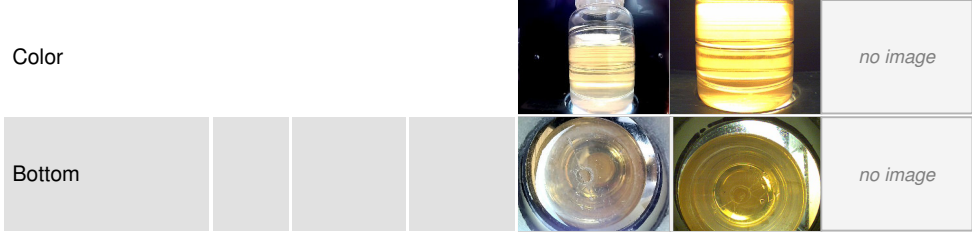
# OIL ANALYSIS REPORT



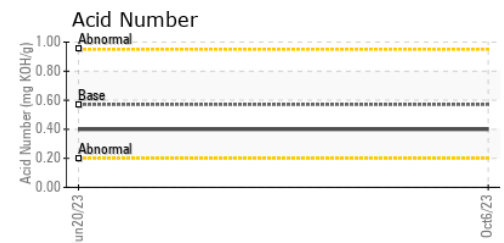
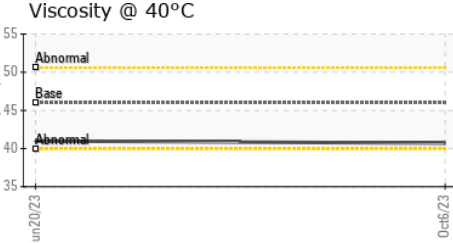
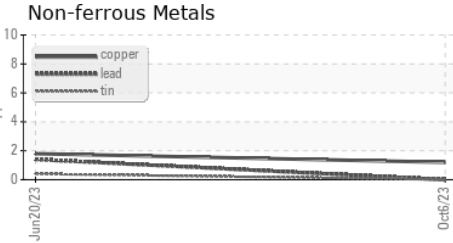
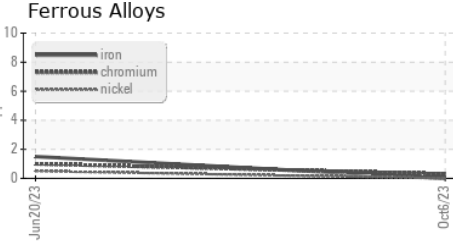
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	40.7	41.0	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ST43264 **Received** : 13 Oct 2023  
**Lab Number** : 05978925 **Diagnosed** : 17 Oct 2023  
**Unique Number** : 10696220 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

**FAMCO SERVICE AND MACHINE**  
 754 S MAIN ST EXT  
 PUNXSUTAWNEY, PA  
 US 15767  
 Contact: BILL HUMBLE  
 whumble@famcoservice.com  
 T: (814)938-0716  
 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)