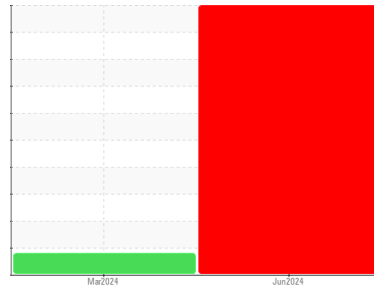


# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**SENNEBOGEN 835 MH-76**  
 Component  
**Left Swing Drive**  
 Fluid  
**AW HYDRAULIC OIL ISO 46 (--- LTR)**

## DIAGNOSIS

**▲ Recommendation**  
 We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

**▲ Wear**  
 Bearing and/or bushing wear is indicated.

**Contamination**  
 There is no indication of any contamination in the oil.

**● Fluid Condition**  
 The oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0113908</b>	PCA0113894	---
Sample Date	Client Info		<b>11 Jun 2024</b>	14 Mar 2024	---
Machine Age	hrs	Client Info	<b>22308</b>	21270	---
Oil Age	hrs	Client Info	<b>500</b>	250	---
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	---
Sample Status			<b>SEVERE</b>	ABNORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >400	<b>245</b>	50	---
Chromium	ppm	ASTM D5185m >10	<b>1</b>	<1	---
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185m >50	<b>7</b>	5	---
Copper	ppm	ASTM D5185m >200	<b>▲ 445</b>	▲ 339	---
Tin	ppm	ASTM D5185m >10	<b>▲ 25</b>	7	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	<b>171</b>	8	---
Barium	ppm	ASTM D5185m 5	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 5	<b>1</b>	0	---
Manganese	ppm	ASTM D5185m	<b>2</b>	<1	---
Magnesium	ppm	ASTM D5185m 25	<b>8</b>	4	---
Calcium	ppm	ASTM D5185m 200	<b>191</b>	45	---
Phosphorus	ppm	ASTM D5185m 300	<b>● 946</b>	364	---
Zinc	ppm	ASTM D5185m 370	<b>263</b>	326	---
Sulfur	ppm	ASTM D5185m 2500	<b>● 19066</b>	1718	---

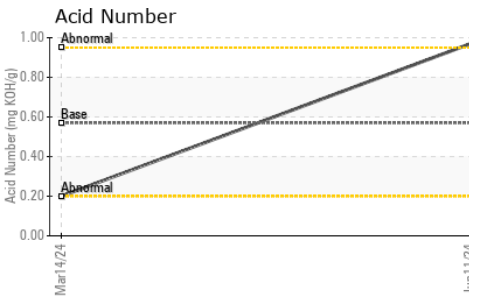
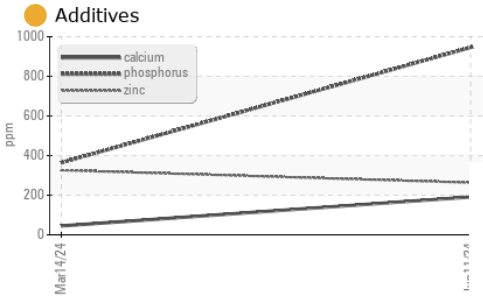
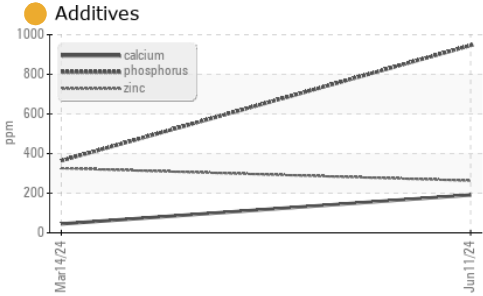
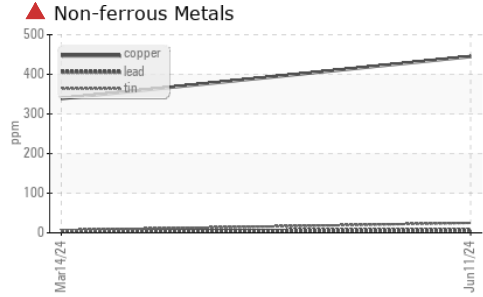
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>10</b>	2	---
Sodium	ppm	ASTM D5185m	<b>1</b>	1	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	3	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.57	<b>0.97</b>	0.20	---

# OIL ANALYSIS REPORT

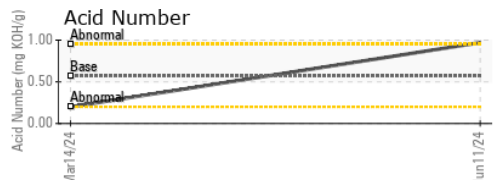
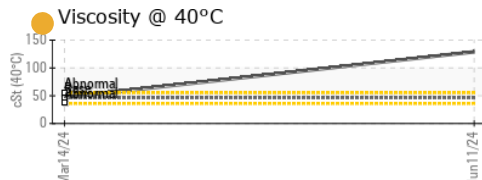
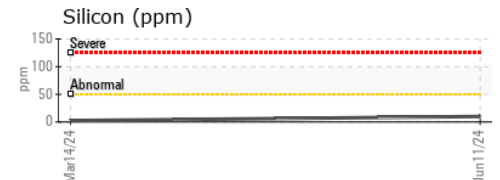
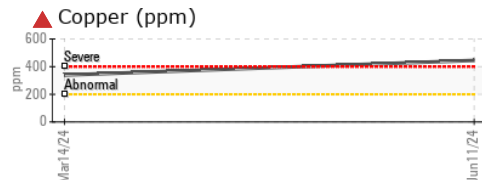
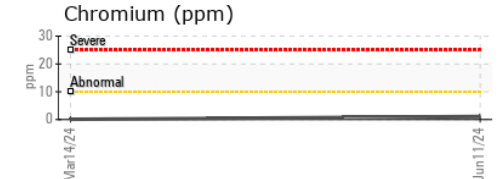
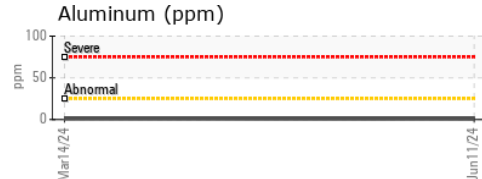
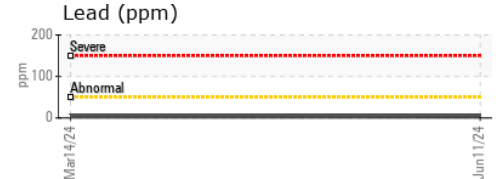
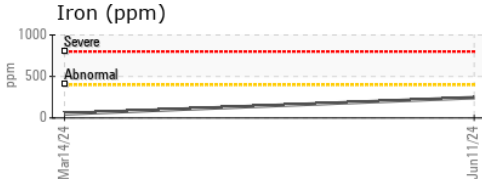


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	● 129	46.8	---

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.** : PCA0113908      **Received** : 19 Jun 2024  
**Lab Number** : 06214903      **Tested** : 20 Jun 2024  
**Unique Number** : 11087767      **Diagnosed** : 21 Jun 2024 - Don Baldrige  
**Test Package** : MOB 2

**SCRAP METAL SERVICES (SMS Mill Services LLC)**  
 250 WEST U.S. HWY 12  
 CHESTERTON, IN 46304  
 Contact: WALTER MURRAY  
 wmurray@scrapmetalservices.com  
 T: (219)787-1341  
 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)