



WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**SENNEBOGEN 835M 835.0.3072**

Component  
**Front Right Final Drive**

Fluid  
**SHELL SPIRAX S3 AX 80W90 (--- GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### WEAR

The copper level is abnormal. All other component wear rates are normal.

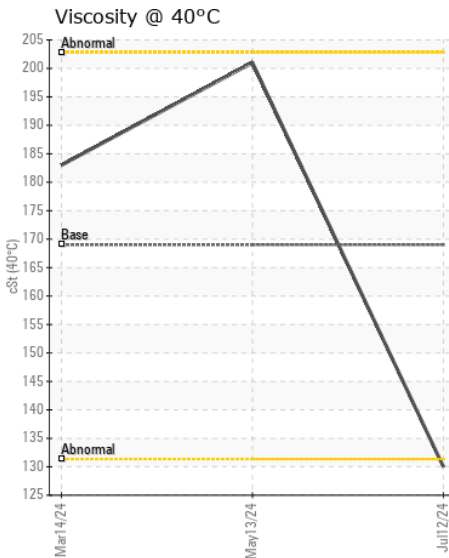
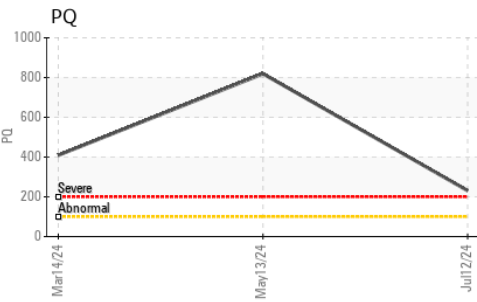
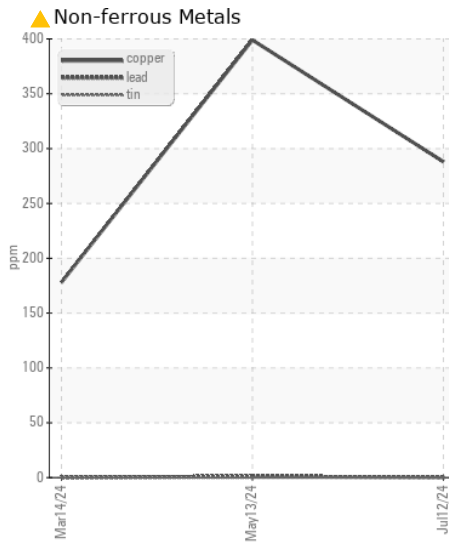
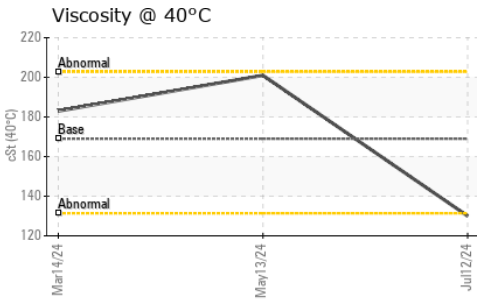
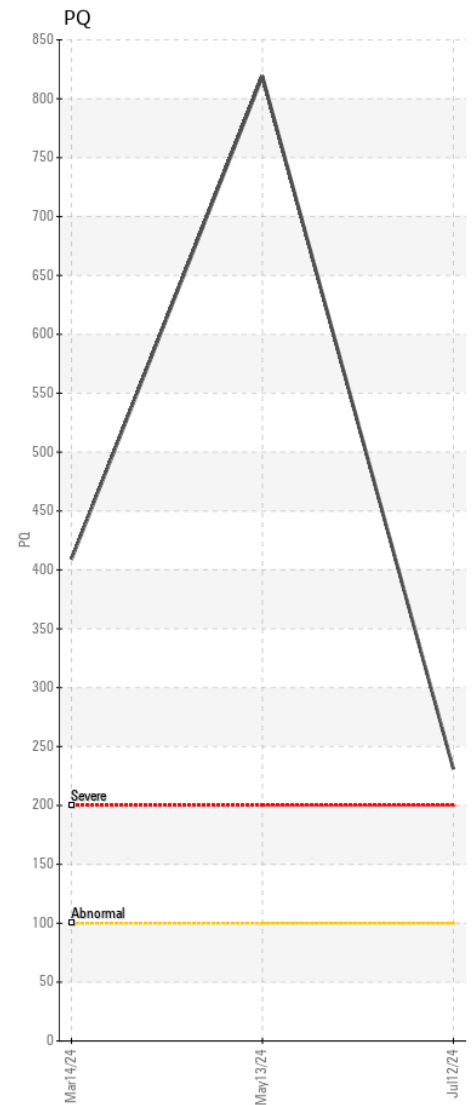
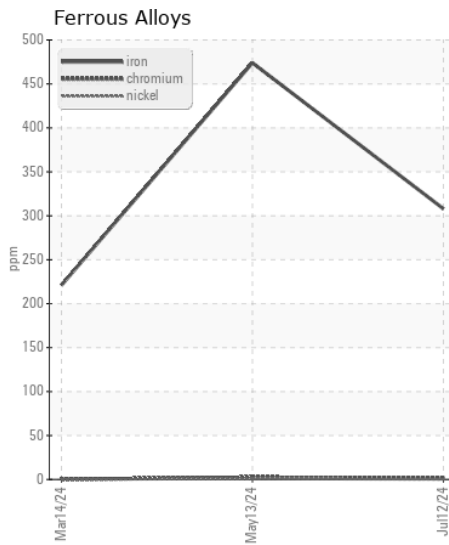
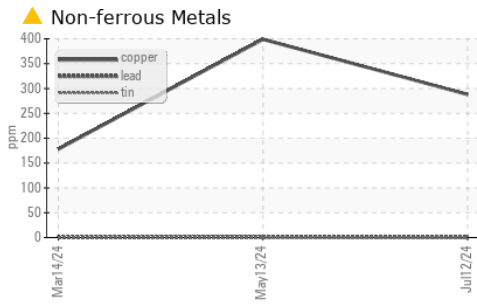
### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0221820</b>	JR0209984	JR0210301
Sample Date		Client Info		<b>12 Jul 2024</b>	13 May 2024	14 Mar 2024
Machine Age	hrs	Client Info		<b>1524</b>	1016	513
Oil Age	hrs	Client Info		<b>1016</b>	513	0
Filter Age	hrs	Client Info		<b>1016</b>	513	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	SEVERE
PQ		ASTM D8184		<b>231</b>	819	409
Iron	ppm	ASTM D5185m	>500	<b>308</b>	474	221
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	2	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>10</b>	12	5
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	1	0
Copper	ppm	ASTM D5185m	>50	<b>▲ 288</b>	▲ 399	▲ 178
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	▲ HEAVY	▲ HEAVY
Silicon	ppm	ASTM D5185m	>75	<b>4</b>	6	2
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	4	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	MODER	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>12</b>	12	12
Boron	ppm	ASTM D5185m		<b>44</b>	0	0
Barium	ppm	ASTM D5185m		<b>118</b>	263	242
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	1	0
Manganese	ppm	ASTM D5185m		<b>18</b>	24	11
Magnesium	ppm	ASTM D5185m		<b>4</b>	3	0
Calcium	ppm	ASTM D5185m		<b>37</b>	79	20
Phosphorus	ppm	ASTM D5185m		<b>2848</b>	1219	1071
Zinc	ppm	ASTM D5185m		<b>237</b>	279	130
Sulfur	ppm	ASTM D5185m		<b>22856</b>	30767	28825
Visc @ 40°C	cSt	ASTM D445	169	<b>130</b>	201	183



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0221820 **Received** : 16 Jul 2024  
**Lab Number** : 06238129 **Tested** : 17 Jul 2024  
**Unique Number** : 11126963 **Diagnosed** : 18 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - STEPHENSON**  
 245 YARDMASTER COURT  
 STEPHENSON, VA  
 US 22656-1761  
 Contact: PHIL DAUGHERTY  
 pdaugherty@jamesriverequipment.com

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)

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