



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

Area  
**[05W47986]**

Machine Id  
**SENNEBOGEN 875 875.5.1066**

Component  
**Right Swing Drive**

Fluid  
**SHELL OMALA S4 GX 220 (3 GAL)**

### RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0225525</b>	JR0139952	JR0095505
Sample Date		Client Info		<b>08 Jul 2024</b>	16 Aug 2022	25 Aug 2021
Machine Age	hrs	Client Info		<b>4001</b>	2203	1129
Oil Age	hrs	Client Info		<b>1798</b>	1831	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>SEVERE</b>	ABNORMAL	NORMAL

### WEAR

Gear wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>36</b>	38	35
Iron	ppm	ASTM D5185m	>400	<b>▲ 1468</b>	▲ 986	526
Chromium	ppm	ASTM D5185m	>10	<b>▲ 23</b>	▲ 13	6
Nickel	ppm	ASTM D5185m	>10	<b>7</b>	3	2
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	1	2
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>200	<b>19</b>	7	3
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

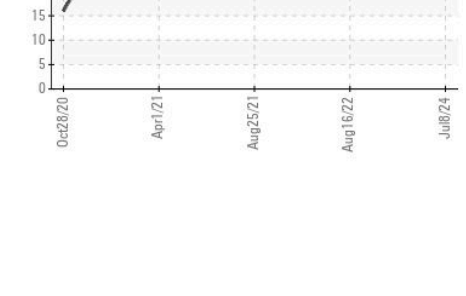
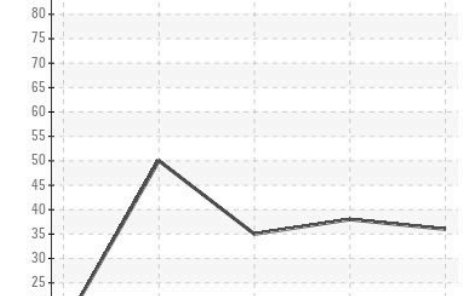
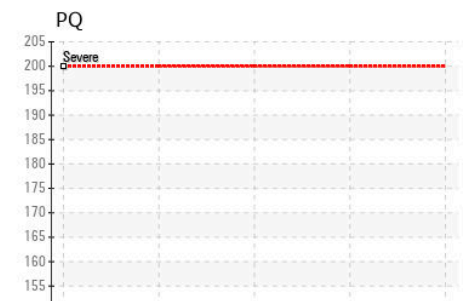
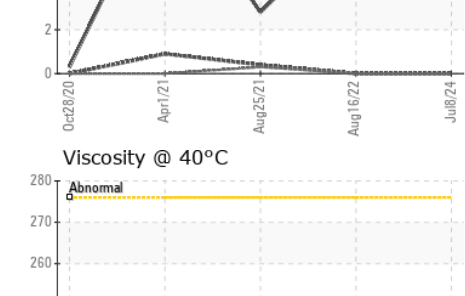
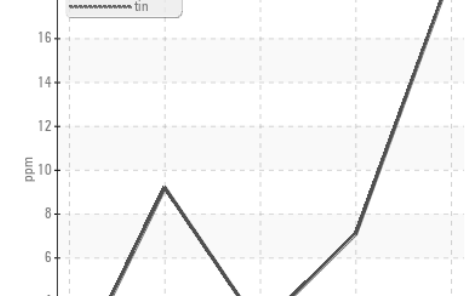
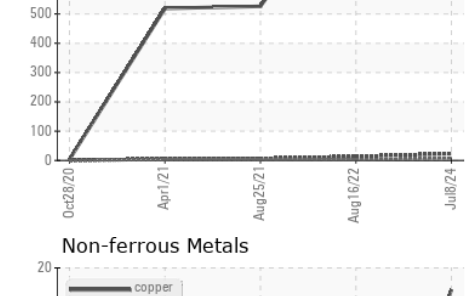
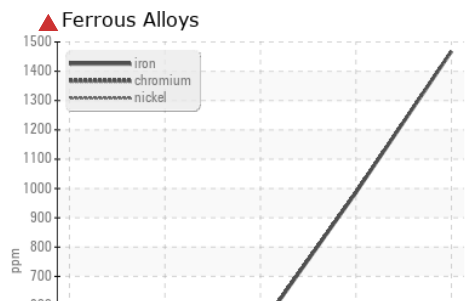
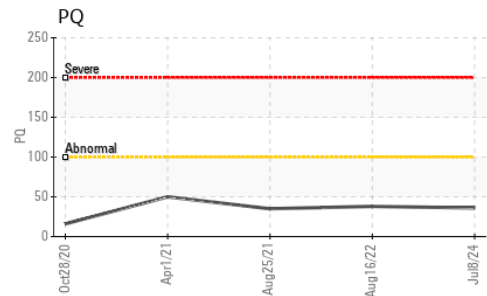
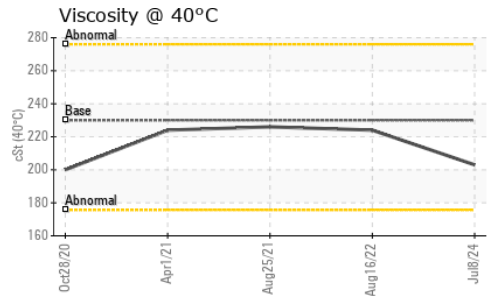
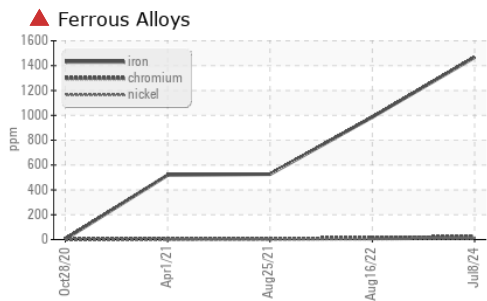
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>10</b>	8	9
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	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

### FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		<b>2</b>	0	<1
Boron	ppm	ASTM D5185m		<b>22</b>	34	25
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>5</b>	1	<1
Manganese	ppm	ASTM D5185m		<b>7</b>	4	2
Magnesium	ppm	ASTM D5185m		<b>2</b>	1	<1
Calcium	ppm	ASTM D5185m		<b>60</b>	9	1
Phosphorus	ppm	ASTM D5185m		<b>432</b>	382	351
Zinc	ppm	ASTM D5185m		<b>63</b>	12	5
Sulfur	ppm	ASTM D5185m		<b>7103</b>	5921	5297
Visc @ 40°C	cSt	ASTM D445	230	<b>203</b>	224	226



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0225525 **Received** : 09 Jul 2024  
**Lab Number** : 06231756 **Tested** : 10 Jul 2024  
**Unique Number** : 11115249 **Diagnosed** : 11 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
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 US 20111  
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Certificate L2367  
 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)