



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

Machine Id  
**SENNEBOGEN 825 C183344 (S/N 825.0.1186)**

Component  
**Front Differential**

Fluid  
**GEAR OIL SAE 80W90 (--- QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0210241</b>	JR0112229	---
Sample Date		Client Info		<b>22 May 2024</b>	12 Jan 2022	---
Machine Age	hrs	Client Info		<b>16776</b>	16076	---
Oil Age	hrs	Client Info		<b>16076</b>	0	---
Filter Age	hrs	Client Info		<b>16076</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>16</b>	21	---
Iron	ppm	ASTM D5185m	>500	<b>28</b>	24	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	0	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>100	<b>3</b>	1	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

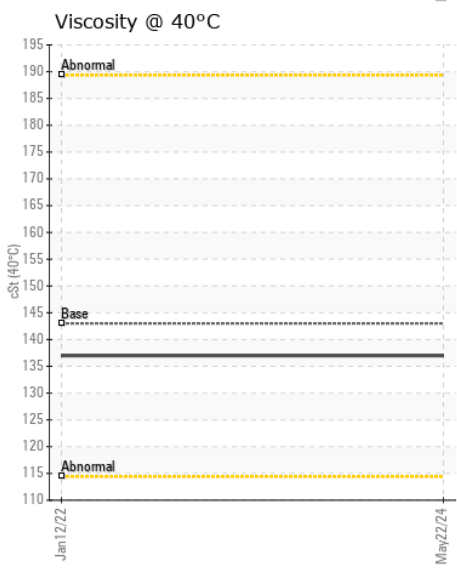
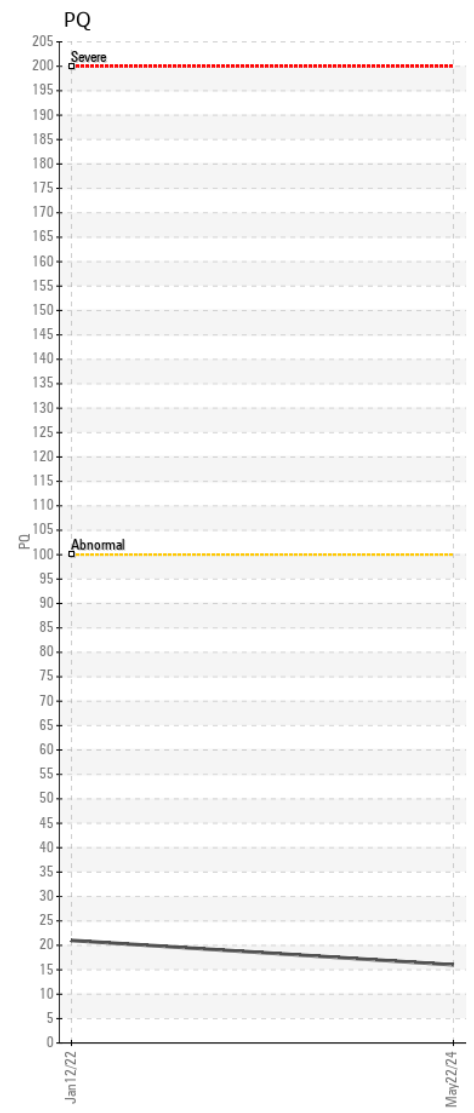
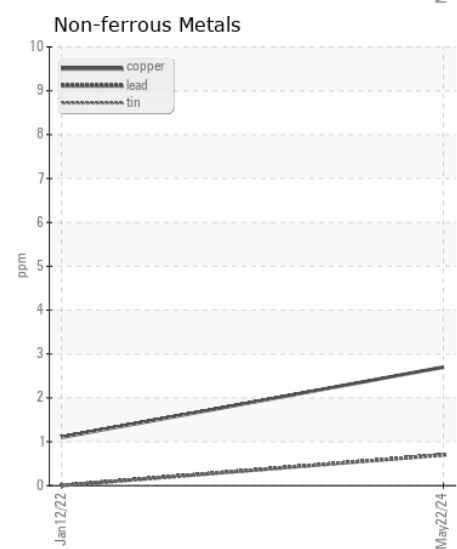
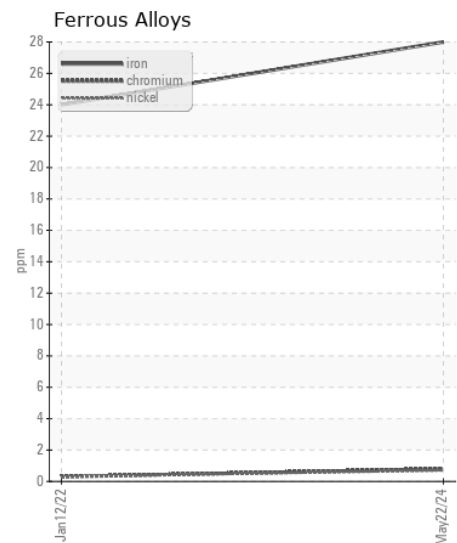
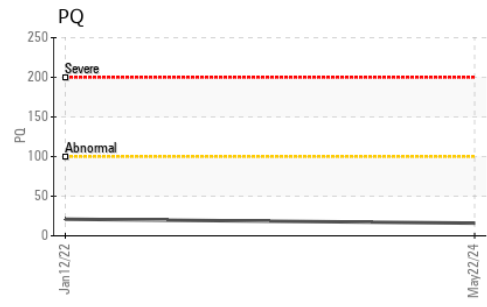
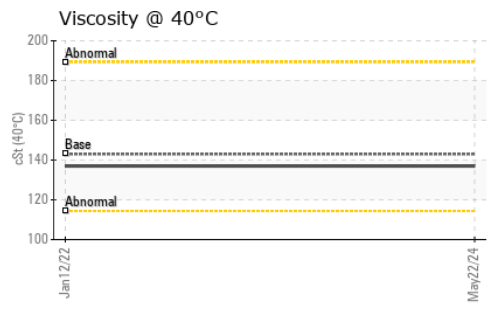
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>4</b>	2	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water		WC Method	>.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m	>170	<b>2</b>	2	---
Boron	ppm	ASTM D5185m	400	<b>5</b>	5	---
Barium	ppm	ASTM D5185m	200	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m	12	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	---
Magnesium	ppm	ASTM D5185m	12	<b>5</b>	6	---
Calcium	ppm	ASTM D5185m	150	<b>94</b>	142	---
Phosphorus	ppm	ASTM D5185m	1650	<b>813</b>	747	---
Zinc	ppm	ASTM D5185m	125	<b>54</b>	60	---
Sulfur	ppm	ASTM D5185m	22500	<b>20638</b>	16456	---
Visc @ 40°C	cSt	ASTM D445	143	<b>137</b>	137	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0210241 **Received** : 24 May 2024  
**Lab Number** : 06191279 **Tested** : 29 May 2024  
**Unique Number** : 11048031 **Diagnosed** : 29 May 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - STEPHENSON**  
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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)