



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
SENNEBOGEN 835M 835.0.3072
 Component
Right Swing Drive Gear Case
 Fluid
SHELL OMALA S4 GX 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221313	JR0209986	JR0210343
Sample Date		Client Info		12 Jul 2024	13 May 2024	14 Mar 2024
Machine Age	hrs	Client Info		1524	1016	513
Oil Age	hrs	Client Info		0	513	0
Filter Age	hrs	Client Info		0	513	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184		72	136	76
Iron	ppm	ASTM D5185m	>200	83	820	▲ 445
Chromium	ppm	ASTM D5185m	>10	<1	4	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m		3	2	0
Lead	ppm	ASTM D5185m		0	<1	0
Copper	ppm	ASTM D5185m		23	80	33
Tin	ppm	ASTM D5185m		2	9	2
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

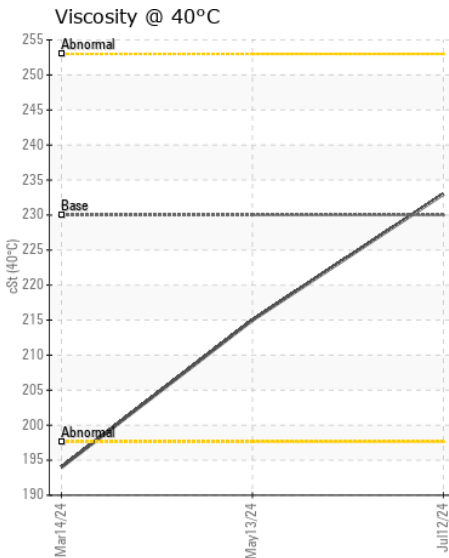
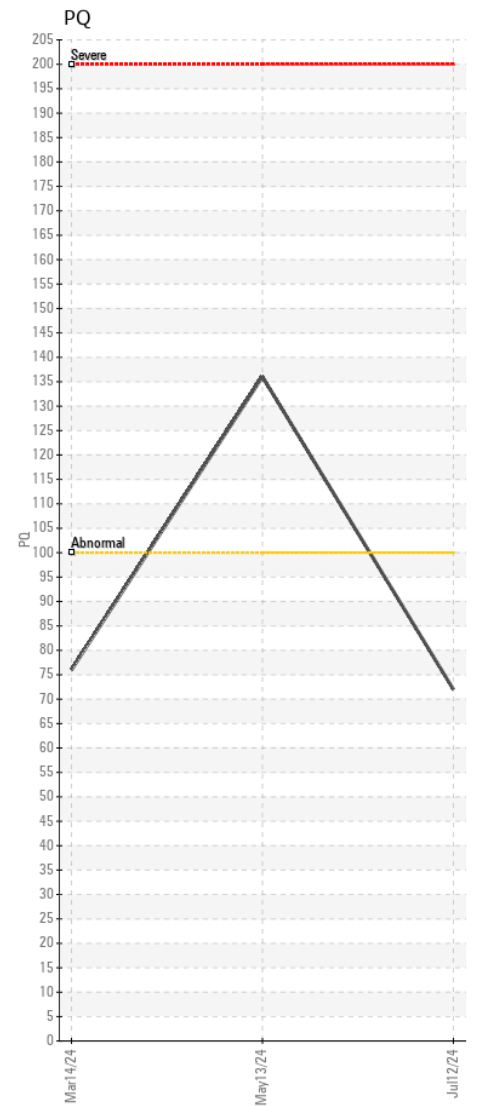
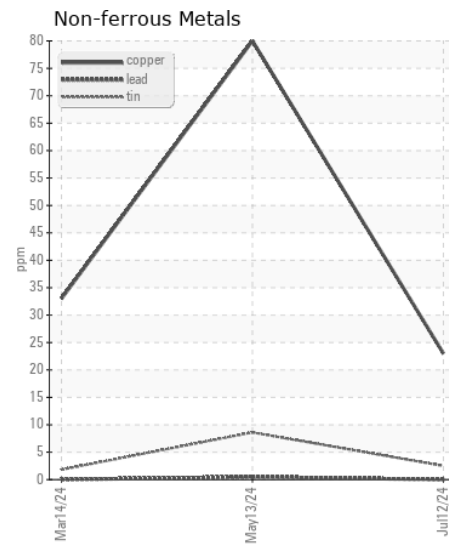
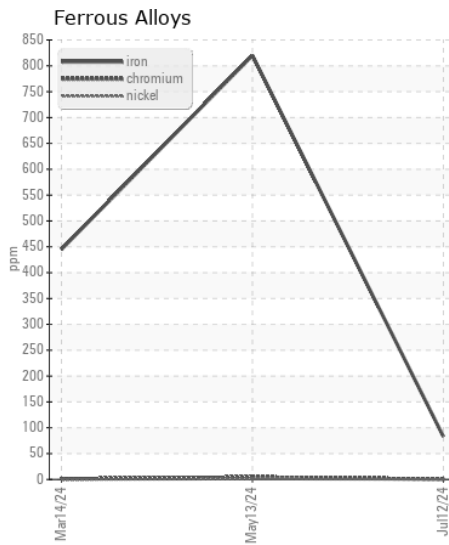
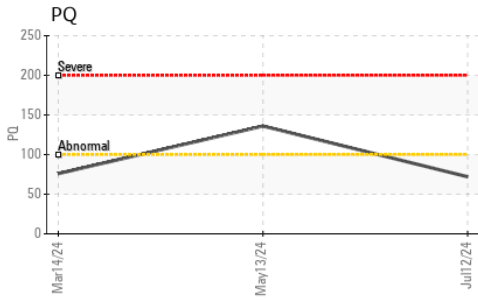
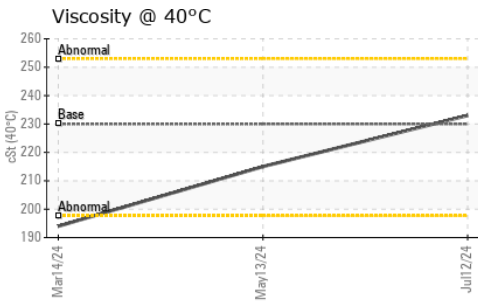
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		5	11	3
Potassium	ppm	ASTM D5185m	>20	2	5	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	6	2
Boron	ppm	ASTM D5185m		8	29	14
Barium	ppm	ASTM D5185m		0	3	<1
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		<1	9	4
Magnesium	ppm	ASTM D5185m		6	2	0
Calcium	ppm	ASTM D5185m		75	8	8
Phosphorus	ppm	ASTM D5185m		357	565	382
Zinc	ppm	ASTM D5185m		24	166	83
Sulfur	ppm	ASTM D5185m		1461	5748	6851
Visc @ 40°C	cSt	ASTM D445	230	233	215	194



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221313 **Received** : 16 Jul 2024
Lab Number : 06238145 **Tested** : 17 Jul 2024
Unique Number : 11126979 **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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