



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
SENNEBOGEN 835M 835.0.3072

Component
Front Left Final Drive

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221774	JR0210072	JR0210302
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		1016	513	0
Filter Age	hrs	Client Info		1016	513	0
Oil Changed		Client Info		N/A	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		304	752	416
Iron	ppm	ASTM D5185m	>500	277	525	311
Chromium	ppm	ASTM D5185m	>10	<1	2	1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	6	11	11
Lead	ppm	ASTM D5185m	>25	<1	1	2
Copper	ppm	ASTM D5185m	>50	201	▲ 341	▲ 142
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	MODER	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

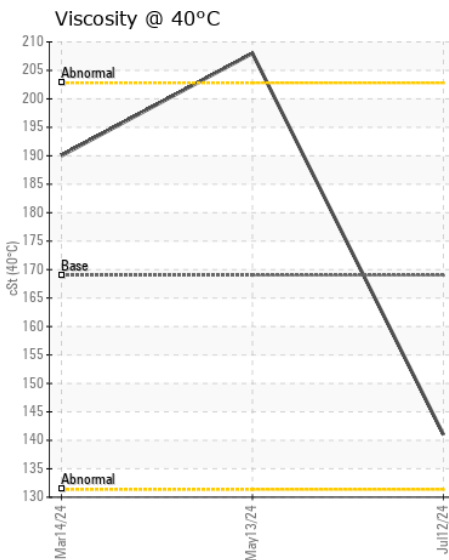
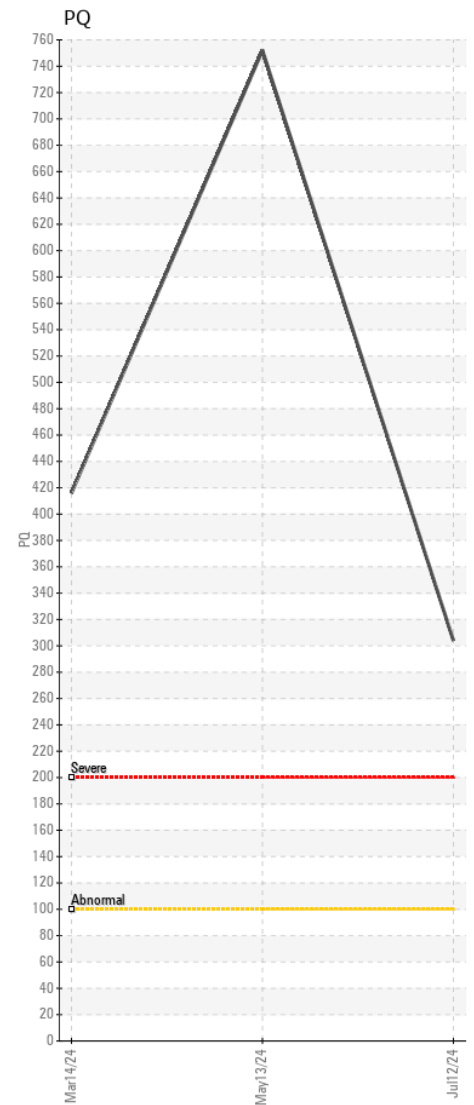
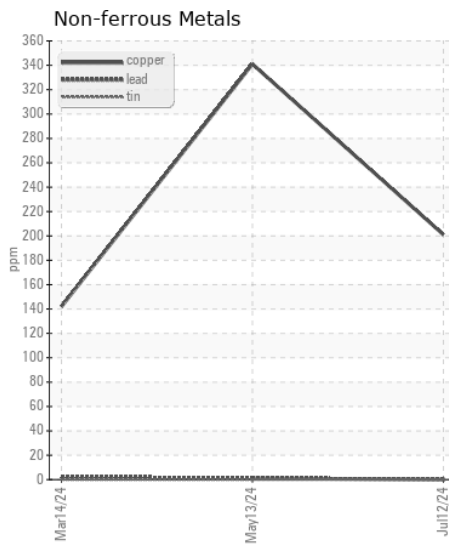
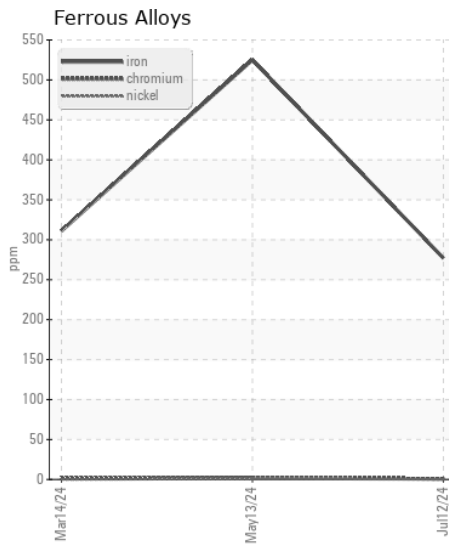
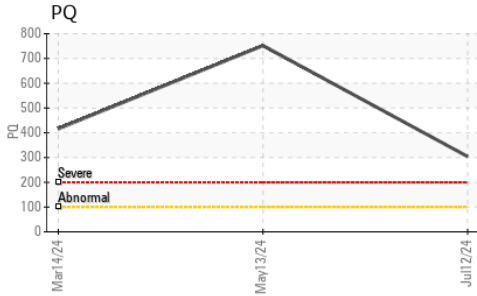
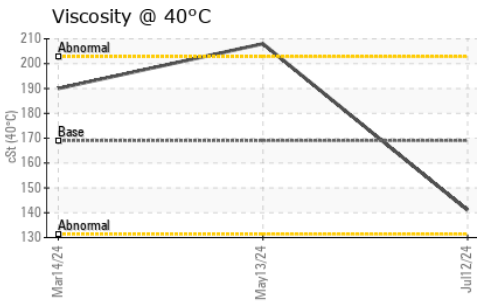
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	6	21
Potassium	ppm	ASTM D5185m	>20	2	3	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	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	8	10
Boron	ppm	ASTM D5185m		38	0	<1
Barium	ppm	ASTM D5185m		70	296	274
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		12	21	12
Magnesium	ppm	ASTM D5185m		5	2	0
Calcium	ppm	ASTM D5185m		94	21	0
Phosphorus	ppm	ASTM D5185m		1306	1295	1053
Zinc	ppm	ASTM D5185m		136	241	98
Sulfur	ppm	ASTM D5185m		18844	31230	29884
Visc @ 40°C	cSt	ASTM D445	169	141	208	190



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0221774

Lab Number : 06238104

Unique Number : 11126938

Test Package : CONST (Additional Tests: PQ)

Received : 16 Jul 2024

Tested : 17 Jul 2024

Diagnosed : 18 Jul 2024 - Don Baldrige

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)

JRE - STEPHENSON

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