



VOLVO

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[SPM731355]

Machine Id

SENNEBOGEN 835ME 835.0.2266

Component

Right Swing Drive

Fluid

GEAR OIL SAE 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

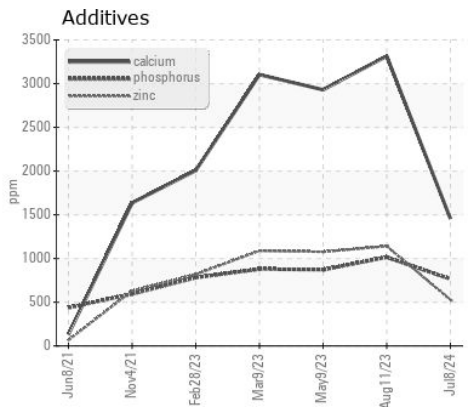
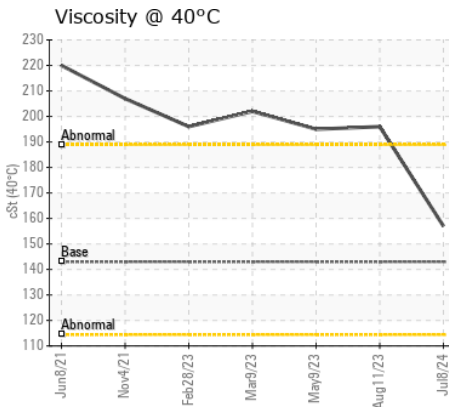
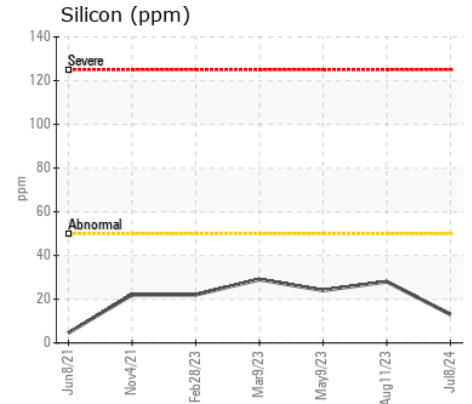
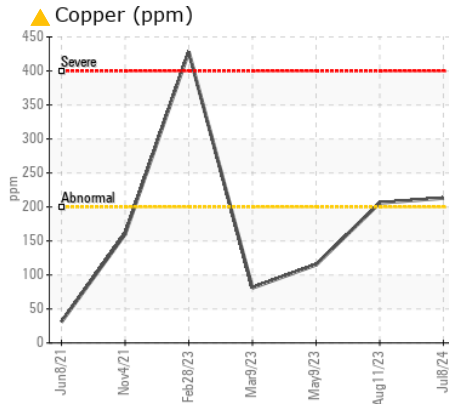
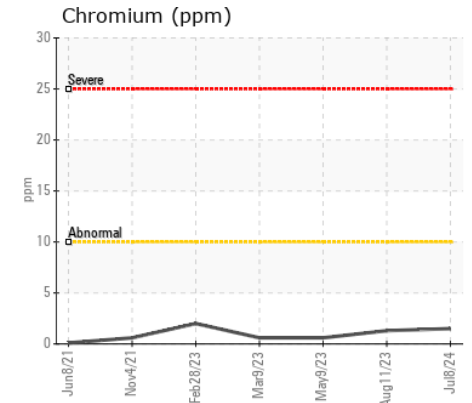
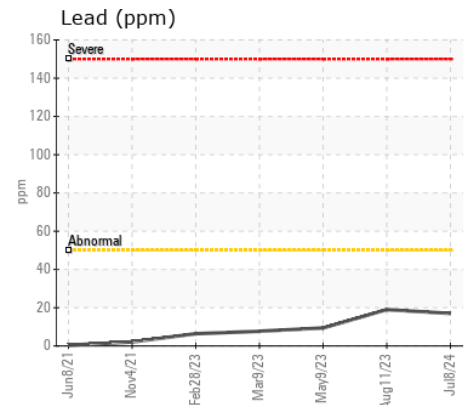
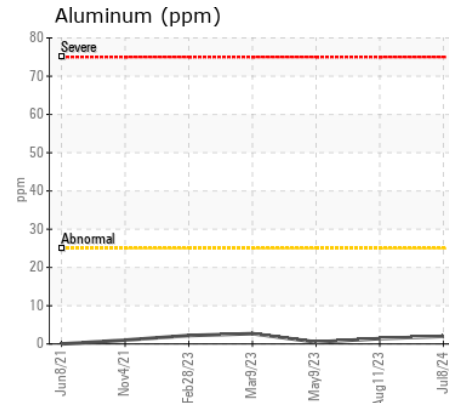
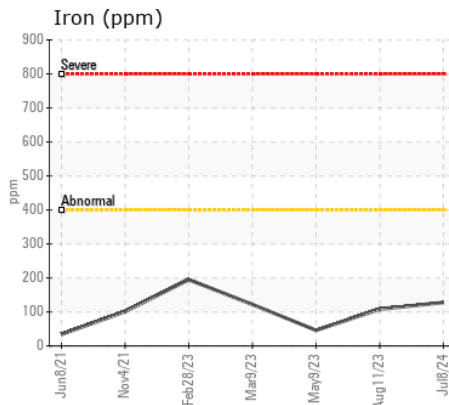
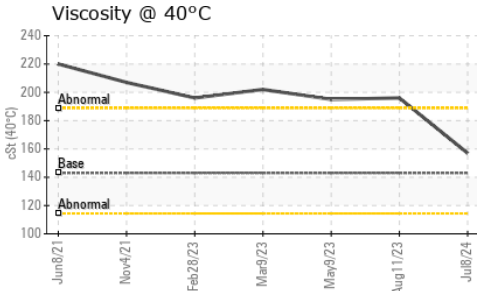
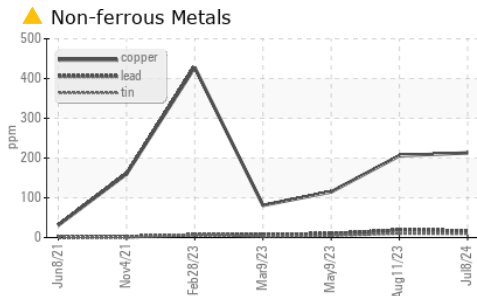
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP436314	VCP422977	VCP422524
Sample Date		Client Info		08 Jul 2024	11 Aug 2023	09 May 2023
Machine Age	hrs	Client Info		21313	19533	19009
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

Iron	ppm	ASTM D5185m	>400	128	108	46
Chromium	ppm	ASTM D5185m	>10	2	1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	1	<1
Lead	ppm	ASTM D5185m	>50	17	19	9
Copper	ppm	ASTM D5185m	>200	▲ 213	▲ 206	115
Tin	ppm	ASTM D5185m	>10	9	10	4
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	13	28	24
Potassium	ppm	ASTM D5185m	>20	2	1	1
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	0.2%	NEG

Sodium	ppm	ASTM D5185m	>170	0	0	0
Boron	ppm	ASTM D5185m	400	8	23	10
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	2	3	2
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m	12	34	44	45
Calcium	ppm	ASTM D5185m	150	1457	3315	2930
Phosphorus	ppm	ASTM D5185m	1650	765	1015	872
Zinc	ppm	ASTM D5185m	125	529	1141	1076
Sulfur	ppm	ASTM D5185m	22500	14692	13384	12083
Visc @ 40°C	cSt	ASTM D445	143	157	196	195



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP436314 **Received** : 18 Jul 2024
Lab Number : 06240674 **Tested** : 19 Jul 2024
Unique Number : 11129508 **Diagnosed** : 20 Jul 2024 - Don Baldridge
Test Package : MOB 1

SIMS METAL MANAGEMENT
 2500 S. PAULINA
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 US 60608
 Contact: RYAN WISE
 ryan.wise@simsmm.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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