



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**[SPM540957 OMNISOURCE]**  
 Machine Id  
**SENNEBOGEN 830M 830.0.2031**  
 Component  
**Front Right Final Drive**  
 Fluid  
**VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP402994	VCP335799	VCP290701
Sample Date		Client Info		12 May 2023	15 Sep 2021	23 Nov 2020
Machine Age	hrs	Client Info		7105	5198	4259
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	222	138	194
Chromium	ppm	ASTM D5185m	>10	1	<1	1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	6	7	16
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	MODER	VLITE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

**CONTAMINATION**

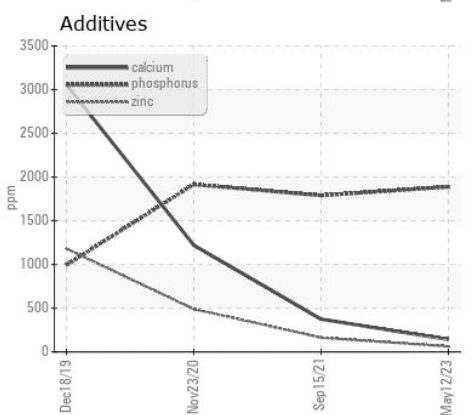
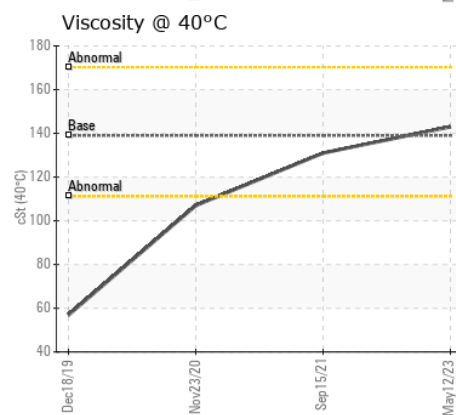
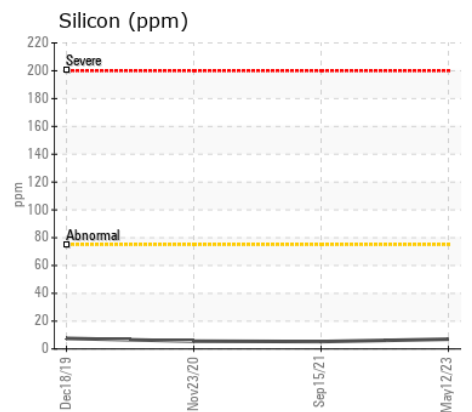
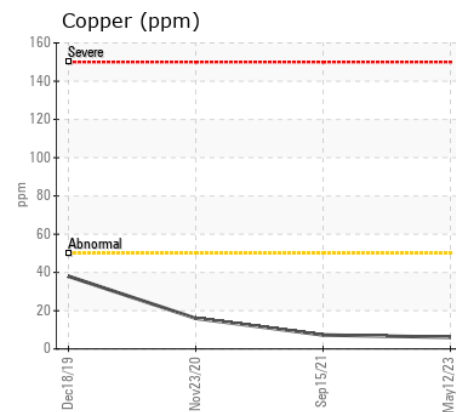
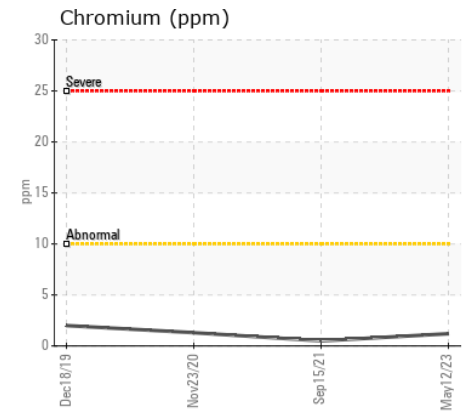
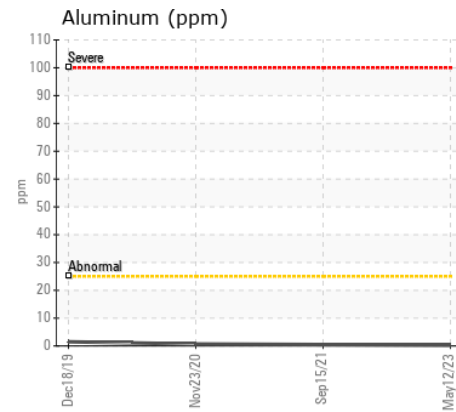
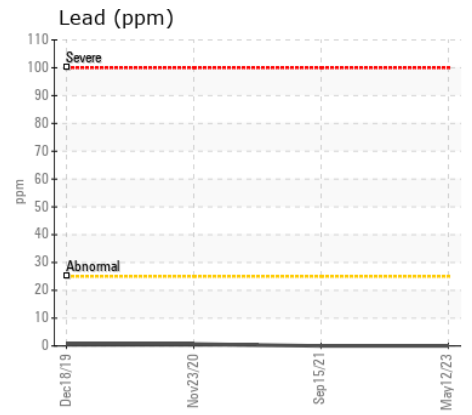
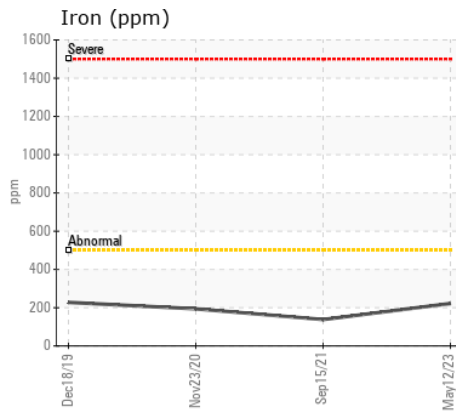
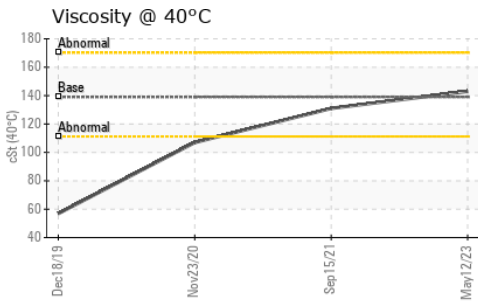
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	5	6
Potassium	ppm	ASTM D5185m	>20	2	0	<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	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		10	7	16
Boron	ppm	ASTM D5185m	379	58	111	124
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.8	0	0	<1
Manganese	ppm	ASTM D5185m	0.0	3	2	2
Magnesium	ppm	ASTM D5185m	31	4	2	5
Calcium	ppm	ASTM D5185m	38	142	375	1221
Phosphorus	ppm	ASTM D5185m	1077	1888	1790	1915
Zinc	ppm	ASTM D5185m	46	63	163	490
Sulfur	ppm	ASTM D5185m	23526	22246	18928	17203
Visc @ 40°C	cSt	ASTM D445	139	143	131	107



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP402994  
**Lab Number** : 05852135  
**Unique Number** : 10481490  
**Test Package** : MOB 1

**Received** : 19 May 2023  
**Tested** : 22 May 2023  
**Diagnosed** : 22 May 2023 - Wes Davis

**ALTA CONSTRUCTION EQUIPMENT LLC**  
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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)