



# VOLVO

## OIL ANALYSIS REPORT

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

Area  
**[728849 NORTH STAR]**  
 Machine Id  
**SENNEBOGEN 850 3139**  
 Component  
**Left Swing Drive**  
 Fluid  
**MOBIL MOBILGEAR 600 XP 220 (--- GAL)**

### RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP454897</b>	VCP416279	VCP396141
Sample Date		Client Info		<b>13 Jun 2024</b>	26 Jul 2023	15 Nov 2022
Machine Age	hrs	Client Info		<b>4105</b>	1921	509
Oil Age	hrs	Client Info		<b>2000</b>	1921	509
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

### WEAR

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>400	<b>▲ 565</b>	340	266
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>200	<b>154</b>	108	50
Tin	ppm	ASTM D5185m	>10	<b>▲ 15</b>	11	5
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

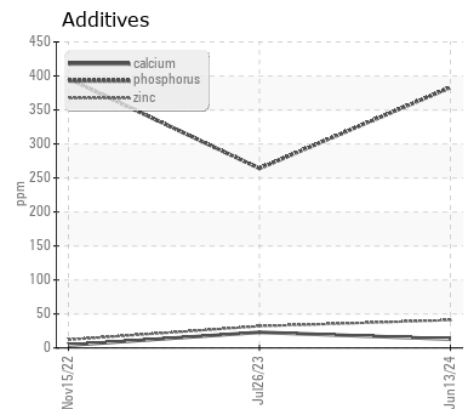
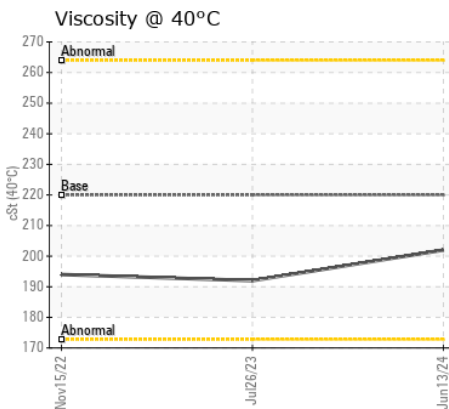
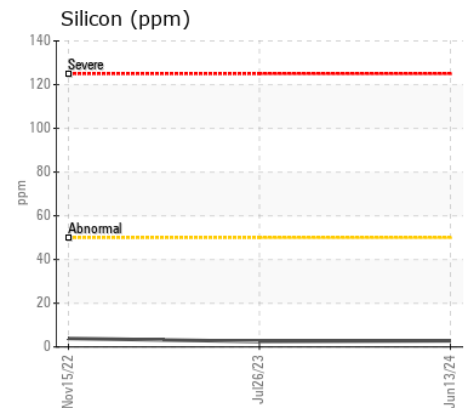
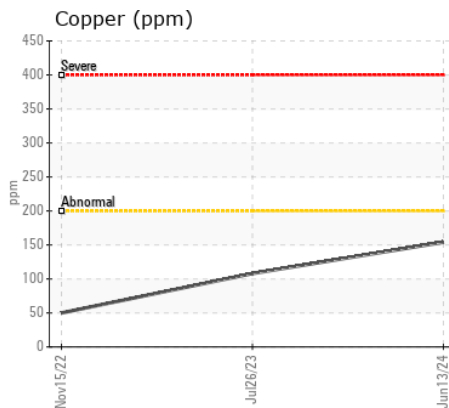
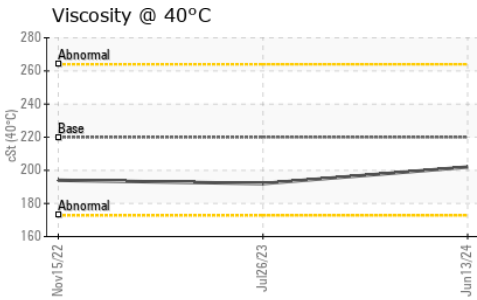
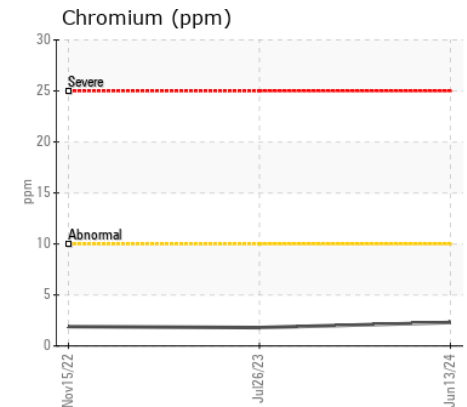
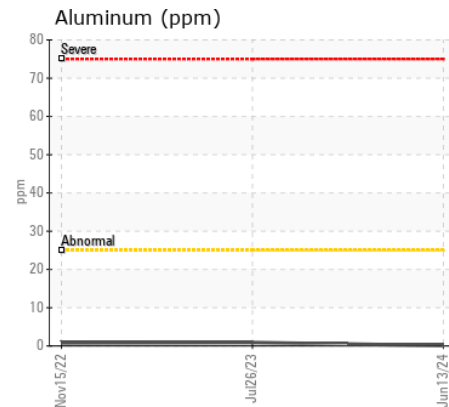
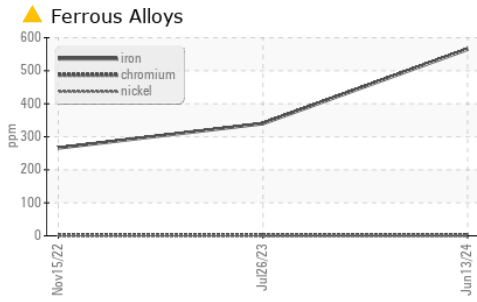
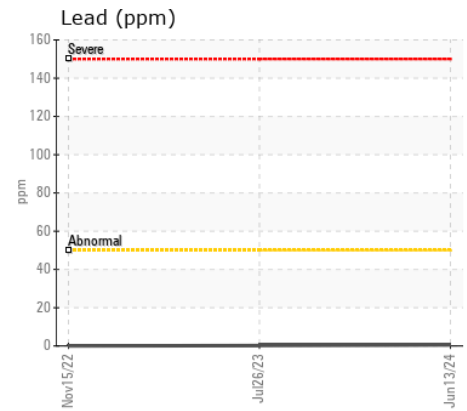
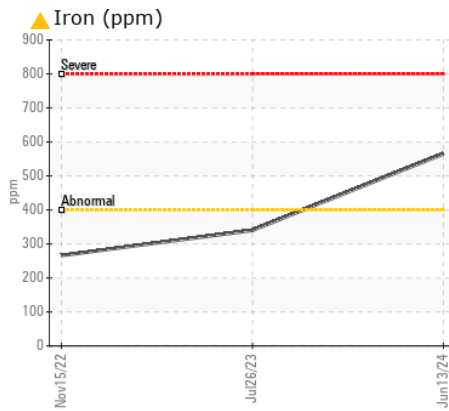
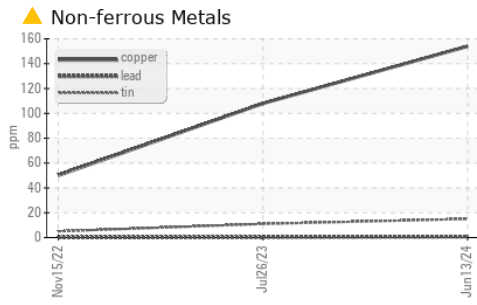
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>3</b>	2	4
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>1</b>	0	2
Boron	ppm	ASTM D5185m		<b>22</b>	10	15
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>4</b>	3	2
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185m		<b>13</b>	23	4
Phosphorus	ppm	ASTM D5185m		<b>383</b>	264	396
Zinc	ppm	ASTM D5185m		<b>41</b>	32	12
Sulfur	ppm	ASTM D5185m		<b>15598</b>	9917	6835
Visc @ 40°C	cSt	ASTM D445	220	<b>202</b>	192	194



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP454897  
**Lab Number** : 06216073  
**Unique Number** : 11088937  
**Test Package** : MOB 1

**Received** : 20 Jun 2024  
**Tested** : 22 Jun 2024  
**Diagnosed** : 23 Jun 2024 - Don Baldrige

**ALTA EQUIPMENT COMPANY - METRO WEST**  
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 US 48165  
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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)