



# CONSTRUCTION EQUIPMENT

## 2827 VOLVO A40G 342610 - FRONT AXLE



**Sample No:** VCP433208  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** 2827



### SAMPLE INFORMATION

Sample Number	<b>VCP433208</b>	VCP406112	VCP384413	VCP362734
Sample Date	<b>27 Mar 2024</b>	24 Aug 2023	30 May 2023	06 Mar 2023
Machine Hours	<b>11444</b>	10233	9672	9074
Oil Hours	<b>1211</b>	1159	598	1085
Oil Changed	<b>Changed</b>	Changed	Not Changd	Changed
Sample Status	<b>ATTENTION</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>100</b>	138	138	137
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>11</b>	4	2	2
Sodium	ppm	<b>2</b>	0	<1	<1
Potassium	ppm	<b>6</b>	<1	0	<1

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal.



### WEAR METALS

Iron	ppm	<b>373</b>	40	47	43
Copper	ppm	<b>2</b>	0	0	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	0	0	<1
Chromium	ppm	<b>6</b>	<1	<1	<1
Molybdenum	ppm	<b>5</b>	<1	1	1
Nickel	ppm	<b>2</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>10</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>123</b>	163	139	141
Magnesium	ppm	<b>9</b>	14	13	8
Zinc	ppm	<b>57</b>	62	60	64
Phosphorus	ppm	<b>494</b>	1008	1021	986
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>18</b>	226	209	183

**Depot:** SCHGRE  
**Unique No:** 10963676  
**Signed:** Don Baldrige  
**Report Date:** 06 Apr 2024



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## GRAPHS

