



# CONSTRUCTION EQUIPMENT

## 2802 VOLVO A40G 342374 - FRONT AXLE



**Sample No:** VCP400070  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:** 2802



### SAMPLE INFORMATION

Sample Number	<b>VCP400070</b>	VCP406817	VCP385070	VCP385084
Sample Date	<b>20 Jul 2023</b>	02 May 2023	13 Feb 2023	06 Dec 2022
Machine Hours	<b>10329</b>	9875	9396	9132
Oil Hours	<b>933</b>	479	1143	879
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SCHILDBERG CONSTRUCTION COMPANY**  
 PO BOX 358  
 GREENFIELD, IA  
 US 50849  
 Contact: SCOTT ARMSTRONG  
 sarmstrong@schildberg.com  
 T: (641)743-8237  
 F: (641)743-2486



### OIL CONDITION

Visc @ 40°C	cSt	<b>132</b>	133	130	130
-------------	-----	------------	-----	-----	-----



### CONTAMINATION

Silicon	ppm	<b>5</b>	3	2	3
Sodium	ppm	<b>&lt;1</b>	1	<1	0
Potassium	ppm	<b>&lt;1</b>	0	0	<1



### WEAR METALS

Iron	ppm	<b>52</b>	37	68	41
Copper	ppm	<b>&lt;1</b>	1	0	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	0	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	1	1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	2	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>379</b>	431	382	434
Magnesium	ppm	<b>8</b>	10	13	9
Zinc	ppm	<b>130</b>	144	140	162
Phosphorus	ppm	<b>880</b>	987	902	987
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>157</b>	152	168	153

### Diagnosis

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

**Depot:** SCHGRE  
**Unique No:** 10586805  
**Signed:** Wes Davis  
**Report Date:** 04 Aug 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

