



# CONSTRUCTION EQUIPMENT

## 2806 VOLVO A40G 352025 - FRONT AXLE



**Sample No:** VCP402324  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** 2806



### SAMPLE INFORMATION

Sample Number	<b>VCP402324</b>	VCP398293	VCP379392	VCP377521
Sample Date	<b>13 Jul 2023</b>	27 Apr 2023	16 Jan 2023	12 Oct 2022
Machine Hours	<b>9075</b>	8626	7948	7436
Oil Hours	<b>1127</b>	678	969	457
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

**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>137</b>	138	137	139
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### CONTAMINATION

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

### 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.



### WEAR METALS

Iron	ppm	<b>9</b>	7	9	4
Copper	ppm	<b>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>	0	0	0
Molybdenum	ppm	<b>2</b>	1	<1	1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	0
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>163</b>	142	155	160
Magnesium	ppm	<b>15</b>	17	6	7
Zinc	ppm	<b>71</b>	56	64	69
Phosphorus	ppm	<b>911</b>	985	936	968
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>181</b>	164	178	173

**Depot:** SCHGRE  
**Unique No:** 10586838  
**Signed:** Wes Davis  
**Report Date:** 04 Aug 2023



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## GRAPHS

