



# CONSTRUCTION EQUIPMENT

## 2806 VOLVO A40G 352025 - REAR AXLE



**Sample No:** VCP402328  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** 2806



### SAMPLE INFORMATION

Sample Number	<b>VCP402328</b>	VCP398286	VCP379400	VCP377519
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	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>139</b>	139	138	139
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### CONTAMINATION

Silicon	ppm	<b>2</b>	7	<1	1
Sodium	ppm	<b>&lt;1</b>	2	0	0
Potassium	ppm	<b>&lt;1</b>	<1	0	1



### WEAR METALS

Iron	ppm	<b>8</b>	8	5	5
Copper	ppm	<b>&lt;1</b>	1	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	1	0	0
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>2</b>	2	<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	0	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>143</b>	146	157	193
Magnesium	ppm	<b>17</b>	18	6	7
Zinc	ppm	<b>60</b>	59	64	84
Phosphorus	ppm	<b>940</b>	973	943	936
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>192</b>	162	184	169

### 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:** 10586818  
**Signed:** Wes Davis  
**Report Date:** 04 Aug 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

