



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342253 - REAR AXLE



**Sample No:** VCP445790  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP445790</b>	VCP396985	VCP402342	VCP404864
Sample Date	<b>06 Dec 2023</b>	25 Sep 2023	19 Jul 2023	02 May 2023
Machine Hours	<b>10949</b>	10423	9967	9484
Oil Hours	<b>982</b>	456	964	481
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>SEVERE</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>136</b>	136	133	133
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>235</b>	2	2	4
Sodium	ppm	6	0	<1	2
Potassium	ppm	6	<1	<1	0

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>290</b>	<1	7	22
Copper	ppm	2	<1	<1	1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<b>40</b>	0	0	0
Chromium	ppm	3	0	0	<1
Molybdenum	ppm	2	<1	<1	<1
Nickel	ppm	1	0	0	0
Titanium	ppm	3	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	0	<1	<1
Vanadium	ppm	<1	0	<1	0



### ADDITIVES

Calcium	ppm	<b>278</b>	276	398	429
Magnesium	ppm	0	10	8	9
Zinc	ppm	88	120	140	140
Phosphorus	ppm	<b>982</b>	977	949	992
Barium	ppm	0	2	0	0
Boron	ppm	<b>195</b>	180	174	153

**Depot:** SCHGRE  
**Unique No:** 10780765  
**Signed:** Don Baldrige  
**Report Date:** 14 Dec 2023



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## GRAPHS

