



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352025 - DIESEL ENGINE



**Sample No:** VCP404833  
**Oil Type:** MOBIL 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP404833</b>	VCP400107	VCP395611	VCP386549
Sample Date	<b>13 Jul 2023</b>	30 May 2023	27 Apr 2023	06 Mar 2023
Machine Hours	<b>9075</b>	8804	8626	8253
Oil Hours	<b>271</b>	178	573	301
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
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 @ 100°C	cSt	<b>12.6</b>	12.8	12.7	12.6
Base Number (BN)	mg KOH/g	<b>10.1</b>	10.1	8.7	9.9
Oxidation (PA)	%	<b>80</b>	75	76	78

### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



### CONTAMINATION

Soot %	%	<b>0.1</b>	0.1	0.1	0.1
Nitration (PA)	%	<b>52</b>	59	53	53
Sulfation (PA)	%	<b>59</b>	59	55	60
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	5	5	4
Sodium	ppm	<b>&lt;1</b>	3	1	2
Potassium	ppm	<b>2</b>	3	0	<1



### WEAR METALS

Iron	ppm	<b>3</b>	2	3	4
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>1</b>	<1	2	2
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>53</b>	40	40	40
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>2084</b>	1699	1774	1669
Magnesium	ppm	<b>604</b>	506	508	482
Zinc	ppm	<b>1123</b>	906	879	899
Phosphorus	ppm	<b>963</b>	723	774	753
Barium	ppm	<b>2</b>	0	0	2
Boron	ppm	<b>73</b>	56	52	68

**Depot:** SCHGRE  
**Unique No:** 10586122  
**Signed:** Wes Davis  
**Report Date:** 03 Aug 2023

**VOLVO** **GRAPHS**

