



# CONSTRUCTION EQUIPMENT

## A12633 VOLVO A40G 352005 - BOGIE/CENTER AXLE



**Sample No:** VCP421706  
**Oil Type:** MOBIL GO 102  
**Job No:** A12633



### SAMPLE INFORMATION

Sample Number	<b>VCP421706</b>	VCP409802	VCP365770	VCB0000044
Sample Date	<b>06 May 2024</b>	29 Aug 2023	28 Nov 2022	23 Feb 2022
Machine Hours	<b>3670</b>	3205	2725	2080
Oil Hours	<b>2500</b>	2205	0	1000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Oil Added
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

**DYER QUARRY**  
P.O. BOX 188, 1275 ROCK HOLLOW ROAD  
BIRDSBORO, PA  
US 19508  
Contact: MATT MCCLELLAND  
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T:  
F: (610)582-2304



### OIL CONDITION

Visc @ 40°C	cSt	<b>50.0</b>	49.9	49.6	50.1
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### CONTAMINATION

Water	%	<b>NEG</b>	0.158	NEG	NEG
Silicon	ppm	<b>6</b>	3	5	4
Sodium	ppm	<b>2</b>	3	3	3
Potassium	ppm	<b>3</b>	2	1	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>149</b>	76	80	144
Copper	ppm	<b>2</b>	1	<1	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>2</b>	<1	<1	1
Chromium	ppm	<b>2</b>	<1	1	2
Molybdenum	ppm	<b>3</b>	<1	1	2
Nickel	ppm	<b>1</b>	0	<1	1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>4</b>	2	2	3
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>17</b>	53	25	15
Magnesium	ppm	<b>&lt;1</b>	0	2	<1
Zinc	ppm	<b>13</b>	22	12	5
Phosphorus	ppm	<b>2666</b>	2380	2528	2511
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>266</b>	278	269	279

**Depot:** DYEBIR  
**Unique No:** 11033072  
**Signed:** Wes Davis  
**Report Date:** 17 May 2024



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## GRAPHS

