



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 353407 - FRONT AXLE



**Sample No:** VCP435449  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP435449</b>	VCP416818	VCP341891	VCP312574
Sample Date	<b>29 Apr 2024</b>	25 Feb 2024	14 Dec 2023	03 Oct 2023
Machine Hours	<b>1863</b>	1268	997	504
Oil Hours	<b>595</b>	871	600	504
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	ATTENTION

**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>128</b>	52.3	52.0	52.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	2	2	3
Sodium	ppm	<b>0</b>	2	<1	0
Potassium	ppm	<b>0</b>	5	4	5

### 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>100</b>	143	154	129
Copper	ppm	<b>0</b>	2	0	1
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>0</b>	<1	0	1
Chromium	ppm	<b>1</b>	1	2	2
Molybdenum	ppm	<b>3</b>	3	1	3
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>4</b>	6	7	6
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>171</b>	15	16	12
Magnesium	ppm	<b>15</b>	1	0	<1
Zinc	ppm	<b>77</b>	3	6	0
Phosphorus	ppm	<b>1156</b>	2197	2220	2284
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>204</b>	241	234	286

**Depot:** SCHGRE  
**Unique No:** 11018994  
**Signed:** Wes Davis  
**Report Date:** 09 May 2024



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## GRAPHS

