



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 341476 - DROP BOX



**Sample No:** VCP312518  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP312518	VCP400066	VCP373800	VCP342169
Sample Date	04 Dec 2023	20 Jun 2023	09 Jan 2023	16 Sep 2022
Machine Hours	17394	16355	25295	14679
Oil Hours	1039	1060	616	1190
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	NORMAL	NORMAL	ABNORMAL

**SCHILDBERG CONSTRUCTION COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	135	135	135	133



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	3	10
Sodium	ppm	0	0	0	0
Potassium	ppm	1	0	<1	0



### WEAR METALS

Iron	ppm	1431	327	410	566
Copper	ppm	2	<1	<1	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	2	4
Chromium	ppm	13	3	5	7
Molybdenum	ppm	3	2	2	3
Nickel	ppm	1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	13	4	5	8
Vanadium	ppm	0	0	<1	0



### ADDITIVES

Calcium	ppm	206	152	127	197
Magnesium	ppm	16	12	10	11
Zinc	ppm	84	64	65	119
Phosphorus	ppm	1074	989	914	959
Barium	ppm	0	0	<1	0
Boron	ppm	190	197	174	121

### Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** SCHGRE  
**Unique No:** 10789047  
**Signed:** Don Baldrige  
**Report Date:** 17 Dec 2023



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## GRAPHS

