



# CONSTRUCTION EQUIPMENT

## VOLVO A60H 350 190 - DROP BOX



**Sample No:** VCP445488  
**Oil Type:** GEAR OIL SAE 80  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP445488</b>	VCP447574	VCP433967	VCP395230
Sample Date	<b>15 Apr 2024</b>	12 Dec 2023	05 Sep 2023	05 May 2023
Machine Hours	<b>3617</b>	3131	2618	2128
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SAIIA CONSTRUCTION LLC**  
 4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207  
 Contact: STEPHANI BRITTON  
 sbritton@saiia.com;doug.bogart@wearcheck.com  
 T: (205)943-2268  
 F: (205)943-2269



### OIL CONDITION

Visc @ 40°C	cSt	<b>44.1</b>	60.66	44.0	44.2
-------------	-----	-------------	-------	------	------



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>58</b>	58	58	56
Sodium	ppm	<b>8</b>	8	6	6
Potassium	ppm	<b>2</b>	<1	2	<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>109</b>	106	94	83
Copper	ppm	<b>31</b>	29	25	16
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>1</b>	0	0	0
Chromium	ppm	<b>1</b>	<1	<1	<1
Molybdenum	ppm	<b>2</b>	<1	<1	1
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>4</b>	4	3	2
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>58</b>	55	61	62
Magnesium	ppm	<b>5</b>	5	5	4
Zinc	ppm	<b>108</b>	114	93	81
Phosphorus	ppm	<b>2132</b>	2196	2270	2264
Barium	ppm	<b>2</b>	<1	0	0
Boron	ppm	<b>79</b>	79	88	97

**Depot:** SAIBIR  
**Unique No:** 11004033  
**Signed:** Jonathan Hester  
**Report Date:** 01 May 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

