



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 742385 - DROP BOX



**Sample No:** VCP438704  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP438704</b>	VCP433499	VCP417743	VCP384140
Sample Date	<b>09 Apr 2024</b>	02 Oct 2023	20 Jun 2023	17 Oct 2022
Machine Hours	<b>5731</b>	5255	4737	4210
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
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>251</b>	246	249	58.7
-------------	-----	------------	-----	-----	------



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	8	9	45
Sodium	ppm	<b>5</b>	6	7	29
Potassium	ppm	<b>0</b>	0	2	2

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>162</b>	132	112	226
Copper	ppm	<b>1</b>	<1	1	3
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>4</b>	4	6	17
Chromium	ppm	<b>3</b>	2	2	3
Molybdenum	ppm	<b>12</b>	10	12	27
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	2	8
Vanadium	ppm	<b>&lt;1</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>121</b>	123	131	50
Magnesium	ppm	<b>26</b>	30	33	4
Zinc	ppm	<b>88</b>	97	100	165
Phosphorus	ppm	<b>874</b>	992	1018	1274
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>131</b>	130	153	97

**Depot:** SAIBIR  
**Unique No:** 10991799  
**Signed:** Don Baldrige  
**Report Date:** 24 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

