



# CONSTRUCTION EQUIPMENT

## 9392 VOLVO A30G 740290 - BOGIE/CENTER AXLE



**Sample No:** VCP424588  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 9392



### SAMPLE INFORMATION

Sample Number	<b>VCP424588</b>	VCP265802	VCP238151	VCP192841
Sample Date	<b>02 Aug 2023</b>	16 Dec 2019	31 Jan 2019	22 May 2018
Machine Hours	<b>8505</b>	3835	2574	1536
Oil Hours	<b>0</b>	0	2000	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Changed
Sample Status	<b>ATTENTION</b>	NORMAL	ABNORMAL	ABNORMAL

**McClung-Logan Virginia LLC**  
 4112 HOLLAND BLVD  
 CHESAPEAKE, VA  
 US 23323  
 Contact: TOMMY GRIFFIN  
 tgriffin@mcclung-logan.com  
 T: (757)485-3314  
 F: (757)485-3415



### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 90.8</b>	■ 118	▲ 75.62	▲ 51.9
-------------	-----	---------------	-------	---------	--------



### CONTAMINATION

Silicon	ppm	<b>■ 37</b>	■ 2	■ 1	■ 5
Sodium	ppm	<b>■ 2</b>	■ <1	■ <1	■ 2
Potassium	ppm	<b>■ 2</b>	■ <1	■ 0	■ 14



### WEAR METALS

Iron	ppm	<b>▲ 837</b>	■ 74	■ 152	■ 787
Copper	ppm	<b>■ 105</b>	■ 14	■ 21	■ 23
Lead	ppm	<b>■ &lt;1</b>	■ <1	■ 0	■ <1
Tin	ppm	<b>■ 7</b>	■ 0	■ 0	■ 0
Aluminum	ppm	<b>■ 4</b>	■ <1	■ <1	■ <1
Chromium	ppm	<b>■ 7</b>	■ 1	■ 2	■ 12
Molybdenum	ppm	<b>■ 1</b>	■ 0	■ <1	■ 2
Nickel	ppm	<b>■ 2</b>	■ <1	■ <1	■ 4
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>■ 8</b>	■ 2	■ 4	■ 13
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>■ 505</b>	■ 38	■ 9	■ 29
Magnesium	ppm	<b>■ 4</b>	■ 0	■ 0	■ <1
Zinc	ppm	<b>■ 166</b>	■ 18	■ 2	■ 17
Phosphorus	ppm	<b>■ 702</b>	■ 936	■ 974	■ 2278
Barium	ppm	<b>■ 0</b>	■ 0	■ 0	■ 0
Boron	ppm	<b>■ 66</b>	■ 137	■ 51	■ 227

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. An increase in the iron level is noted. All other component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

**Depot:** VOLVO0264  
**Unique No:** 10615781  
**Signed:** Sean Felton  
**Report Date:** 23 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

