



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352632 - REAR AXLE



**Sample No:** VCP374986  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP374986</b>	VCP349121	---	---
Sample Date	<b>30 Jun 2022</b>	30 Dec 2021	---	---
Machine Hours	<b>1092</b>	506	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	---	---
Sample Status	<b>ATTENTION</b>	ATTENTION	---	---

**A J MCDIRTT**  
P.O. BOX 781  
STERLING, IL  
US 61081  
Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	<b>50.7</b>	52.1	---	---
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T: (815)631-1606  
F:



### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	<b>4</b>	4	---	---
Sodium	ppm	<b>2</b>	2	---	---
Potassium	ppm	<b>4</b>	4	---	---

**Diagnosis**  
No corrective action is recommended at this time. 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 oil viscosity is lower than normal. Confirm oil type.



### WEAR METALS

Iron	ppm	<b>254</b>	316	---	---
Copper	ppm	<b>2</b>	1	---	---
Lead	ppm	<b>&lt;1</b>	0	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>&lt;1</b>	<1	---	---
Chromium	ppm	<b>4</b>	6	---	---
Molybdenum	ppm	<b>5</b>	7	---	---
Nickel	ppm	<b>&lt;1</b>	<1	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	<1	---	---
Manganese	ppm	<b>13</b>	17	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>112</b>	126	---	---
Magnesium	ppm	<b>1</b>	2	---	---
Zinc	ppm	<b>52</b>	60	---	---
Phosphorus	ppm	<b>2581</b>	2484	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>259</b>	313	---	---

**Depot:** AJMSTE  
**Unique No:** 10049866  
**Signed:** Jonathan Hester  
**Report Date:** 15 Jul 2022



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## GRAPHS

