



# CONSTRUCTION EQUIPMENT

SW121531 MGC VOLVO SD45 229059 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP412331  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SW121531 MGC



## SAMPLE INFORMATION

Sample Number	VCP412331	---	---	---
Sample Date	25 Jul 2023	---	---	---
Machine Hours	1224	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

**ARNOLD MACHINERY COMPANY**  
 4323 EAST WINSLOW AVENUE  
 PHOENIX, AZ  
 US 85040  
 Contact: RANDY PRZEKURAT  
 randyp@arnoldmachinery.com  
 T:  
 F: (602)414-1904



## OIL CONDITION

Visc @ 40°C	cSt	█ 125	---	---	---
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## CONTAMINATION

Silicon	ppm	█ 15	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	█ 189	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 6	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	█ 0	---	---	---



## ADDITIVES

Calcium	ppm	▲ 199	---	---	---
Magnesium	ppm	█ 90	---	---	---
Zinc	ppm	▲ 275	---	---	---
Phosphorus	ppm	█ 982	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 137	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. 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. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO6174  
**Unique No:** 10579428  
**Signed:** Sean Felton  
**Report Date:** 02 Aug 2023



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## VOLVO GRAPHS

