



# CONSTRUCTION EQUIPMENT

343269 RYAN GOLF VOLVO A45G 352339 - WET DISC BRAKE



**Sample No:** VCP412485  
**Oil Type:** VOLVO WB 102  
**Job No:** 343269 RYAN GOLF



## SAMPLE INFORMATION

Sample Number	VCP412485	VCP333455	---	---
Sample Date	26 Aug 2023	26 Jan 2022	---	---
Machine Hours	3723	1726	---	---
Oil Hours	1723	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

**ALTA EQUIPMENT COMPANY**  
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## OIL CONDITION

Visc @ 40°C	cSt	■ 39.7	■ 39.2	---	---
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## CONTAMINATION

Silicon	ppm	▲ 67	■ 25	---	---
Sodium	ppm	■ 23	■ 10	---	---
Potassium	ppm	■ 8	■ 2	---	---



## WEAR METALS

Iron	ppm	■ 64	■ 56	---	---
Copper	ppm	▲ 260	■ 157	---	---
Lead	ppm	■ 3	■ 0	---	---
Tin	ppm	■ <1	■ 0	---	---
Aluminum	ppm	▲ 14	■ 7	---	---
Chromium	ppm	■ <1	■ 2	---	---
Molybdenum	ppm	■ 0	<1	---	---
Nickel	ppm	■ 8	■ 55	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 2	2	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	■ 3513	3786	---	---
Magnesium	ppm	■ 24	11	---	---
Zinc	ppm	■ 1595	1516	---	---
Phosphorus	ppm	■ 1327	1307	---	---
Barium	ppm	■ 0	0	---	---
Boron	ppm	■ 133	138	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0090  
**Unique No:** 10629958  
**Signed:** Don Baldrige  
**Report Date:** 01 Sep 2023



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## GRAPHS

