



CONSTRUCTION EQUIPMENT

593983 RYAN GOLF VOLVO A45G 342685 - DROP BOX



Sample No: VCP417651
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 593983 RYAN GOLF



SAMPLE INFORMATION

Sample Number	VCP417651	---	---	---
Sample Date	11 Aug 2023	---	---	---
Machine Hours	4733	---	---	---
Oil Hours	4733	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 275	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 55	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---



WEAR METALS

Iron	ppm	● 4579	---	---	---
Copper	ppm	■ 15	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 10	---	---	---
Chromium	ppm	● 55	---	---	---
Molybdenum	ppm	■ 32	---	---	---
Nickel	ppm	■ 9	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 50	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 155	---	---	---
Magnesium	ppm	■ 40	---	---	---
Zinc	ppm	■ 115	---	---	---
Phosphorus	ppm	■ 962	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 132	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO0093
Unique No: 10620308
Signed: Sean Felton
Report Date: 28 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

