



CONSTRUCTION EQUIPMENT

634846 RYAN GOLF VOLVO A45G 352377 - DROP BOX



Sample No: VCP426180
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 634846 RYAN GOLF



SAMPLE INFORMATION

Sample Number	VCP426180	VCP345860	---	---
Sample Date	05 Dec 2023	05 Feb 2022	---	---
Machine Hours	4150	1992	---	---
Oil Hours	4150	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 56.3	■ 57.2	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 61	▲ 53	---	---
Sodium	ppm	■ 3	■ 4	---	---
Potassium	ppm	■ 9	■ 3	---	---



WEAR METALS

Iron	ppm	▲ 862	■ 441	---	---
Copper	ppm	■ 20	■ 12	---	---
Lead	ppm	■ <1	■ <1	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	■ 1	■ 5	---	---
Chromium	ppm	■ 7	■ 5	---	---
Molybdenum	ppm	■ 25	10	---	---
Nickel	ppm	■ 6	■ 3	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 13	7	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 72	48	---	---
Magnesium	ppm	■ 9	4	---	---
Zinc	ppm	■ 131	93	---	---
Phosphorus	ppm	■ 1579	1919	---	---
Barium	ppm	■ 0	0	---	---
Boron	ppm	■ 71	122	---	---

Diagnosis

The oil 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. Gear wear is indicated. All other component wear rates are normal. Elemental level of silicon (Si) above normal. The oil viscosity is lower than normal. Confirm oil type.

Depot: VOLVO0093
Unique No: 10846424
Signed: Don Baldrige
Report Date: 26 Jan 2024



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GRAPHS

