



CONSTRUCTION EQUIPMENT

567435 APTIM VOLVO A35G 340070 - DROP BOX



Sample No: VCP416004
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 567435 APTIM



SAMPLE INFORMATION

Sample Number	VCP416004	VCP411064	VCP385129	---
Sample Date	26 Jun 2023	19 Apr 2023	08 Nov 2022	---
Machine Hours	8469	7985	6869	---
Oil Hours	8469	2000	2000	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 65.6	▲ 61.8	■ 282	---
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CONTAMINATION

Silicon	ppm	▲ 109	▲ 107	■ 16	---
Sodium	ppm	■ 7	■ 6	■ <1	---
Potassium	ppm	■ 8	■ 9	■ 0	---



WEAR METALS

Iron	ppm	▲ 637	▲ 622	■ 69	---
Copper	ppm	■ 5	■ 4	■ 5	---
Lead	ppm	■ <1	■ 1	■ 0	---
Tin	ppm	■ 0	■ <1	■ 0	---
Aluminum	ppm	▲ 50	▲ 48	■ 7	---
Chromium	ppm	■ 7	■ 7	■ <1	---
Molybdenum	ppm	■ 10	■ 10	■ 6	---
Nickel	ppm	■ <1	■ 1	■ 1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 11	■ 11	■ 1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 121	■ 113	■ 129	---
Magnesium	ppm	■ 35	■ 36	■ 29	---
Zinc	ppm	391	368	■ 84	---
Phosphorus	ppm	■ 1395	■ 1306	■ 916	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 87	■ 86	■ 159	---

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. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is lower than normal. Confirm oil type.

Depot: VOLVO0093
Unique No: 10573587
Signed: Don Baldrige
Report Date: 27 Jul 2023



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GRAPHS

