



CONSTRUCTION EQUIPMENT

VOLVO A45G 35323 - DROP BOX



Sample No: VCP451250
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP451250	VCP437712	---	---
Sample Date	03 May 2024	12 Apr 2024	---	---
Machine Hours	2406	2288	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	SEVERE	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 194	● 47.0	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 10	■ 33	---	---
Sodium	ppm	■ 3	■ 10	---	---
Potassium	ppm	■ 1	■ 4	---	---



WEAR METALS

Iron	ppm	■ 392	▲ 1008	---	---
Copper	ppm	■ 7	■ 21	---	---
Lead	ppm	■ 1	■ <1	---	---
Tin	ppm	■ 2	■ <1	---	---
Aluminum	ppm	■ 1	■ 0	---	---
Chromium	ppm	■ 6	■ 7	---	---
Molybdenum	ppm	■ 9	■ 14	---	---
Nickel	ppm	■ 4	■ 4	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 5	■ 16	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 207	■ 37	---	---
Magnesium	ppm	■ 43	■ 2	---	---
Zinc	ppm	■ 110	■ 70	---	---
Phosphorus	ppm	■ 1202	2204	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 157	■ 65	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0090
Unique No: 11016370
Signed: Wes Davis
Report Date: 07 May 2024



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GRAPHS

