



CONSTRUCTION EQUIPMENT

SWA336560 VOLVO A45G 342666 - DROP BOX



Sample No: VCP323820
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWA336560



SAMPLE INFORMATION

Sample Number	VCP323820	VCP312585	---	---
Sample Date	11 Sep 2023	30 Nov 2021	---	---
Machine Hours	4653	2882	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 40°C	cSt	▲ 57.1	■ 297	---	---
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CONTAMINATION

Silicon	ppm	■ 32	■ 2	---	---
Sodium	ppm	■ 10	■ <1	---	---
Potassium	ppm	■ 3	■ 3	---	---



WEAR METALS

Iron	ppm	● 1549	■ 27	---	---
Copper	ppm	■ 18	■ 0	---	---
Lead	ppm	■ <1	■ 2	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	● 107	■ 0	---	---
Chromium	ppm	▲ 19	■ <1	---	---
Molybdenum	ppm	▲ 17	■ <1	---	---
Nickel	ppm	▲ 5	■ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	▲ 27	■ <1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	■ 51	■ 110	---	---
Magnesium	ppm	■ 0	■ 24	---	---
Zinc	ppm	■ 75	■ 59	---	---
Phosphorus	ppm	▲ 1713	■ 864	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 69	■ 139	---	---

Diagnosis

The oil 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. Gear wear is indicated. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO0090
Unique No: 10655607
Signed: Jonathan Hester
Report Date: 20 Sep 2023



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GRAPHS

