



CONSTRUCTION EQUIPMENT

RA117 VOLVO A40G 353251 - FRONT AXLE



Sample No: VCE196411
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: RA117



HOUSBY HEAVY EQUIPMENT, LLC
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SAMPLE INFORMATION

Sample Number	VCE196411	---	---	---
Sample Date	29 Nov 2023	---	---	---
Machine Hours	2018	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 138	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 104	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 57	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 13	---	---	---
Phosphorus	ppm	█ 395	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 17	---	---	---

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: VOLVO0080
Unique No: 10769949
Signed: Sean Felton
Report Date: 07 Dec 2023



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GRAPHS

