



CONSTRUCTION EQUIPMENT

VOLVO A45G 352341 - BOGIE/CENTER AXLE



Sample No: VCP427221
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP427221	VCP357927	VCP330518	---
Sample Date	30 Jun 2023	27 Apr 2022	26 Jan 2022	---
Machine Hours	4913	2860	2505	---
Oil Hours	0	2860	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	268	261	262	---
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CONTAMINATION

Silicon	ppm	10	18	44	---
Sodium	ppm	4	4	3	---
Potassium	ppm	3	<1	1	---



WEAR METALS

Iron	ppm	198	180	216	---
Copper	ppm	3	2	2	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	4	6	---
Chromium	ppm	3	3	33	---
Molybdenum	ppm	5	5	6	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	5	6	6	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	188	154	162	---
Magnesium	ppm	31	27	28	---
Zinc	ppm	96	96	94	---
Phosphorus	ppm	1127	971	1079	---
Barium	ppm	0	0	0	---
Boron	ppm	202	150	195	---

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: 10547475
Signed: Wes Davis
Report Date: 07 Jul 2023



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GRAPHS

