



CONSTRUCTION EQUIPMENT

702890 APTIM VOLVO A35G 340109 - FRONT AXLE



Sample No: VCP440049
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 702890 APTIM



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SAMPLE INFORMATION

Sample Number	VCP440049	VCP424457	VCP423596	---
Sample Date	29 Apr 2024	11 Jul 2023	16 Mar 2023	---
Machine Hours	9978	8937	8480	---
Oil Hours	2000	4000	2000	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	270	124	117	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	6	8	---
Sodium	ppm	2	2	<1	---
Potassium	ppm	2	0	0	---



WEAR METALS

Iron	ppm	111	313	52	---
Copper	ppm	<1	2	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	4	10	---
Chromium	ppm	1	4	<1	---
Molybdenum	ppm	17	13	8	---
Nickel	ppm	<1	1	0	---
Titanium	ppm	<1	2	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	14	2	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	197	113	117	---
Magnesium	ppm	58	19	23	---
Zinc	ppm	143	82	87	---
Phosphorus	ppm	1096	1053	1115	---
Barium	ppm	0	0	0	---
Boron	ppm	183	247	235	---

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: VOLVO0093
Unique No: 11057915
Signed: Wes Davis
Report Date: 31 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

