



CONSTRUCTION EQUIPMENT

553239 STATEWIDE MAT VOLVO A40 341163 - REAR AXLE



Sample No: VCP421016
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 553239 STATEWIDE MAT



SAMPLE INFORMATION

Sample Number	VCP421016	VCP303925	---	---
Sample Date	08 May 2023	24 May 2021	---	---
Machine Hours	8920	7387	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	302	█ 282	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 3	█ 6	---	---
Sodium	ppm	█ 0	█ <1	---	---
Potassium	ppm	█ 0	█ <1	---	---

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. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 28	█ 32	---	---
Copper	ppm	█ <1	█ 2	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 0	█ 0	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 7	7	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ <1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 98	87	---	---
Magnesium	ppm	█ 25	21	---	---
Zinc	ppm	█ 59	51	---	---
Phosphorus	ppm	█ 948	910	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 184	195	---	---

Depot: VOLVO0096
Unique No: 10470001
Signed: Don Baldrige
Report Date: 16 May 2023



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GRAPHS

