



CONSTRUCTION EQUIPMENT

553239 STATEWIDE MAT VOLVO A40 341163 - FRONT AXLE



Sample No: VCP423443
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 553239 STATEWIDE MAT



SAMPLE INFORMATION

Sample Number	VCP423443	VCP303940	---	---
Sample Date	09 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	297	284	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	3	5	---	---
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	24	22	---	---
Copper	ppm	0	<1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	0	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	8	7	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	91	82	---	---
Magnesium	ppm	27	22	---	---
Zinc	ppm	57	47	---	---
Phosphorus	ppm	993	919	---	---
Barium	ppm	0	0	---	---
Boron	ppm	192	192	---	---

Depot: VOLVO0096
Unique No: 10470005
Signed: Don Baldrige
Report Date: 16 May 2023



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GRAPHS

