



CONSTRUCTION EQUIPMENT

553239 STATEWIDE MAT VOLVO A40 341163 - BOGIE/CENTER AXLE



Sample No: VCP422227
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 553239 STATEWIDE MAT



SAMPLE INFORMATION

Sample Number	VCP422227	VCP303962	---	---
Sample Date	09 May 2023	24 May 2021	---	---
Machine Hours	8920	7387	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	293	281	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 56	43	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	0	<1	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	257	161	---	---
Copper	ppm	5	4	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	3	2	---	---
Molybdenum	ppm	8	7	---	---
Nickel	ppm	2	2	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	3	2	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	107	101	---	---
Magnesium	ppm	27	25	---	---
Zinc	ppm	61	54	---	---
Phosphorus	ppm	1021	977	---	---
Barium	ppm	0	0	---	---
Boron	ppm	169	193	---	---

Depot: VOLVO0096
Unique No: 10470004
Signed: Don Baldrige
Report Date: 16 May 2023



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GRAPHS

