



CONSTRUCTION EQUIPMENT

553239 STATEWIDE MAT VOLVO A40 341163 - WET DISC BRAKE



Sample No: VCP422073
Oil Type: VOLVO WB 102
Job No: 553239 STATEWIDE MAT



SAMPLE INFORMATION

Sample Number	VCP422073	VCP314124	---	---
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	41.8	43.6	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	13	14	---	---
Sodium	ppm	4	6	---	---
Potassium	ppm	0	<1	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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.



WEAR METALS

Iron	ppm	24	23	---	---
Copper	ppm	334	173	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	2	2	---	---
Nickel	ppm	2	3	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	2	1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	3758	3929	---	---
Magnesium	ppm	24	23	---	---
Zinc	ppm	1549	1516	---	---
Phosphorus	ppm	1229	1320	---	---
Barium	ppm	0	0	---	---
Boron	ppm	123	132	---	---

Depot: VOLVO0096
Unique No: 10470002
Signed: Don Baldrige
Report Date: 16 May 2023



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GRAPHS

