



CONSTRUCTION EQUIPMENT

VOLVO A40G 352449 - WET DISC BRAKE



Sample No: VCP455453
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No:



SAMPLE INFORMATION

Sample Number	VCP455453	VCP323823	VCP310528	---
Sample Date	02 May 2024	25 Oct 2023	30 Apr 2021	---
Machine Hours	8038	7451	2179	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	39.3	39.7	39.7	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	19	21	17	---
Sodium	ppm	9	9	10	---
Potassium	ppm	1	<1	<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	36	34	17	---
Copper	ppm	210	212	127	---
Lead	ppm	4	0	<1	---
Tin	ppm	2	0	<1	---
Aluminum	ppm	1	<1	1	---
Chromium	ppm	1	<1	<1	---
Molybdenum	ppm	<1	0	<1	---
Nickel	ppm	8	7	6	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	2	2	1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	2981	2932	3464	---
Magnesium	ppm	8	20	12	---
Zinc	ppm	1373	1386	1467	---
Phosphorus	ppm	1285	1254	1285	---
Barium	ppm	0	0	0	---
Boron	ppm	88	102	128	---

Depot: VOLVO0090
Unique No: 11016372
Signed: Jonathan Hester
Report Date: 10 May 2024



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GRAPHS

