



CONSTRUCTION EQUIPMENT

VOLVO A45G 352022 - REAR AXLE



Sample No: VCP399534
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No:



SAMPLE INFORMATION

Sample Number	VCP399534	VCP338623	VCP315441	---
Sample Date	18 Sep 2023	04 Mar 2022	01 May 2021	---
Machine Hours	5727	3839	2573	---
Oil Hours	0	0	0	---
Oil Changed	Not Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	42.8	42.8	49.3	---
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CONTAMINATION

Silicon	ppm	136	11	6	---
Sodium	ppm	7	9	3	---
Potassium	ppm	10	0	6	---



WEAR METALS

Iron	ppm	408	142	431	---
Copper	ppm	7	2	4	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	25	2	0	---
Chromium	ppm	6	3	6	---
Molybdenum	ppm	2	2	9	---
Nickel	ppm	2	<1	2	---
Titanium	ppm	2	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	4	4	11	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	4157	4152	186	---
Magnesium	ppm	23	26	1	---
Zinc	ppm	1662	1548	72	---
Phosphorus	ppm	1338	1384	2432	---
Barium	ppm	<1	0	0	---
Boron	ppm	143	139	231	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: DUNBEL
Unique No: 10702399
Signed: Don Baldrige
Report Date: 23 Oct 2023



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GRAPHS

