



CONSTRUCTION EQUIPMENT

VOLVO A45G 352339 - WET DISC BRAKE



Sample No: VCP369883
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP369883	VCP412485	VCP333455	---
Sample Date	06 Dec 2023	26 Aug 2023	26 Jan 2022	---
Machine Hours	5859	3723	1726	---
Oil Hours	0	1723	0	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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OIL CONDITION

Visc @ 40°C	cSt	40.9	39.7	39.2	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	22	67	25	---
Sodium	ppm	9	23	10	---
Potassium	ppm	0	8	2	---

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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	49	64	56	---
Copper	ppm	249	260	157	---
Lead	ppm	0	3	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	1	14	7	---
Chromium	ppm	1	<1	2	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	6	8	55	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	2	2	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3394	3513	3786	---
Magnesium	ppm	15	24	11	---
Zinc	ppm	1520	1595	1516	---
Phosphorus	ppm	1363	1327	1307	---
Barium	ppm	0	0	0	---
Boron	ppm	125	133	138	---

Depot: VOLVO0090
Unique No: 10780797
Signed: Don Baldrige
Report Date: 14 Dec 2023



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GRAPHS

