



CONSTRUCTION EQUIPMENT

RYAN GOLF VOLVO A45G 352372 - WET DISC BRAKE



Sample No: VCP395970
Oil Type: VOLVO WB 102
Job No: RYAN GOLF



SAMPLE INFORMATION

Sample Number	VCP395970	VCP347987	VCP341263	---
Sample Date	25 Feb 2023	24 Jan 2022	13 Dec 2021	---
Machine Hours	4273	2299	2295	---
Oil Hours	1500	0	0	---
Oil Changed	Changed	Not Changd	N/A	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

ALTA EQUIPMENT COMPANY
5151 DR MARTIN LUTHER KING BLVD
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US 33905
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OIL CONDITION

Visc @ 40°C	cSt	39.5	40.0	40.1	---
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CONTAMINATION

Silicon	ppm	18	21	19	---
Sodium	ppm	11	6	11	---
Potassium	ppm	0	11	<1	---



WEAR METALS

Iron	ppm	20	38	31	---
Copper	ppm	245	169	164	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	1	1	1	---
Chromium	ppm	<1	2	2	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	7	5	5	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	2	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3404	3828	4002	---
Magnesium	ppm	8	10	12	---
Zinc	ppm	1421	1397	1581	---
Phosphorus	ppm	1222	1314	1379	---
Barium	ppm	0	0	0	---
Boron	ppm	104	128	129	---

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.

Depot: VOLVO0090
Unique No: 10384377
Signed: Angela Borella
Report Date: 21 Mar 2023



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GRAPHS

