



CONSTRUCTION EQUIPMENT

VOLVO A45G 353036 - WET DISC BRAKE



Sample No: VCP437384
Oil Type: VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102
Job No:



SAMPLE INFORMATION

Sample Number	VCP437384	---	---	---
Sample Date	08 May 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
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OIL CONDITION

Visc @ 40°C	cSt	█ 45.6	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 46	---	---	---
Sodium	ppm	█ 14	---	---	---
Potassium	ppm	█ 4	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition. The iron level is abnormal. The copper level is abnormal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 227	---	---	---
Copper	ppm	▲ 137	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 7	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 5535	---	---	---
Magnesium	ppm	█ 23	---	---	---
Zinc	ppm	█ 1935	---	---	---
Phosphorus	ppm	█ 1453	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 203	---	---	---

Depot: VOLVO8879
Unique No: 11021947
Signed: Sean Felton
Report Date: 15 May 2024



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GRAPHS

