



CONSTRUCTION EQUIPMENT

526156 CHARLOTTE CO VOLVO A35G 352200 - WET DISC BRAKE



Sample No: VCP437728
Oil Type: VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102
Job No: 526156 CHARLOTTE CO



SAMPLE INFORMATION

Sample Number	VCP437728	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	3084	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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US 33905
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T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 40.4	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 21	---	---	---
Sodium	ppm	█ 11	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	▲ 46	---	---	---
Copper	ppm	▲ 211	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3681	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 1511	---	---	---
Phosphorus	ppm	█ 1360	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 128	---	---	---

Diagnosis

No corrective action is recommended at this time. 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 indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0090
Unique No: 10990347
Signed: Jonathan Hester
Report Date: 24 Apr 2024

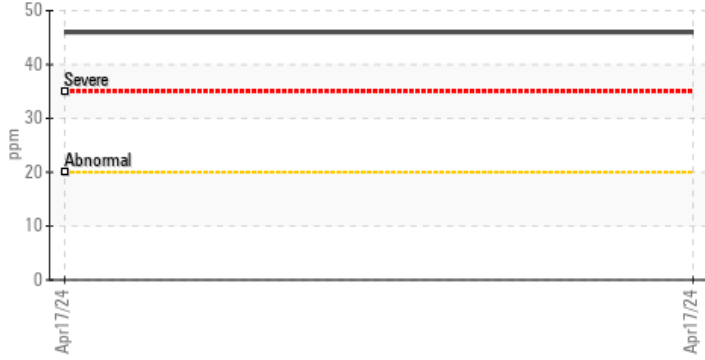


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VOLVO GRAPHS

▲ Iron (ppm)



Lead (ppm)



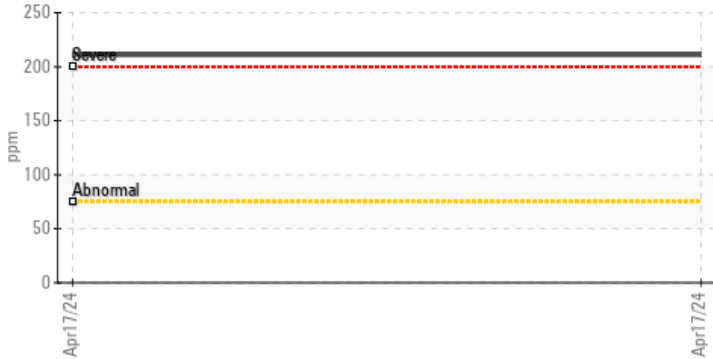
Aluminum (ppm)



Chromium (ppm)



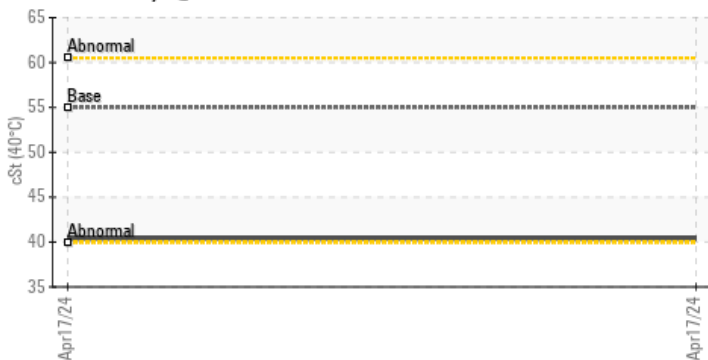
▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

