



CONSTRUCTION EQUIPMENT

VOLVO A40G 352412 - WET DISC BRAKE



Sample No: VCP434450
Oil Type: VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102
Job No:



SAMPLE INFORMATION

Sample Number	VCP434450	---	---	---
Sample Date	07 Nov 2023	---	---	---
Machine Hours	7382	---	---	---
Oil Hours	4382	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 40°C	cSt	■ 39.9	---	---	---
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CONTAMINATION

Silicon	ppm	■ 19	---	---	---
Sodium	ppm	■ 9	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	▲ 30	---	---	---
Copper	ppm	▲ 313	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 7	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 3340	---	---	---
Magnesium	ppm	■ 11	---	---	---
Zinc	ppm	■ 1483	---	---	---
Phosphorus	ppm	■ 1293	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 109	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper and iron ppm levels are abnormal. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO0090
Unique No: 10737603
Signed: Angela Borella
Report Date: 14 Nov 2023

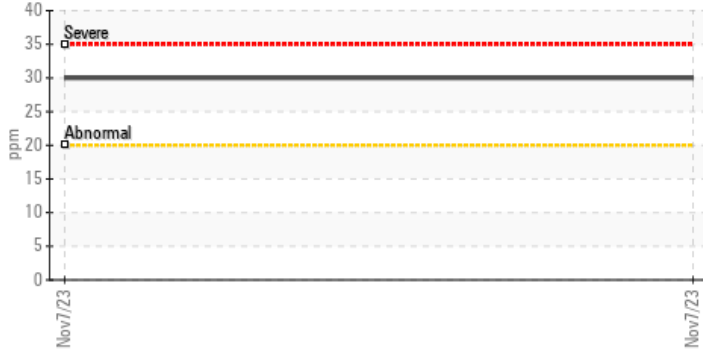


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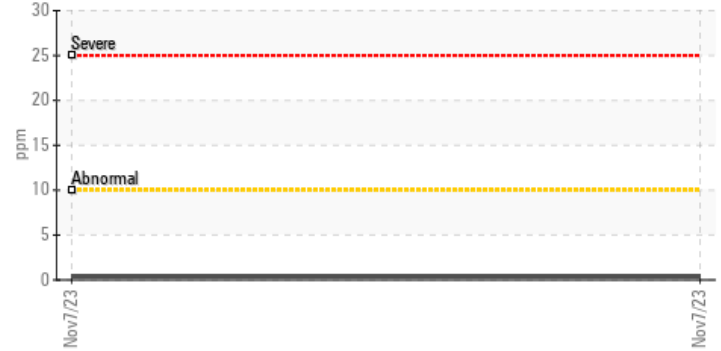


GRAPHS

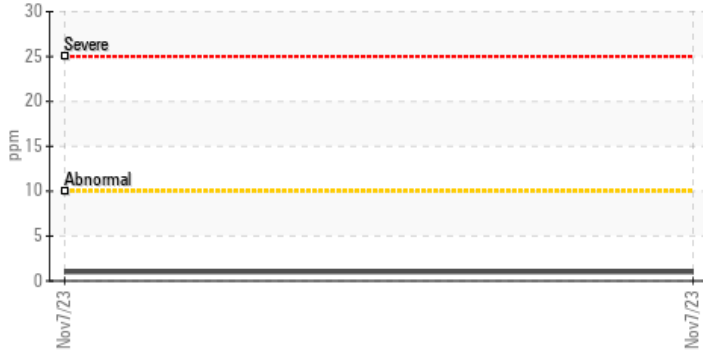
▲ Iron (ppm)



Lead (ppm)



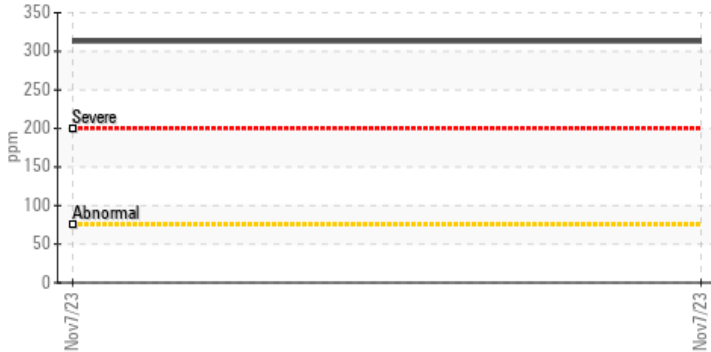
Aluminum (ppm)



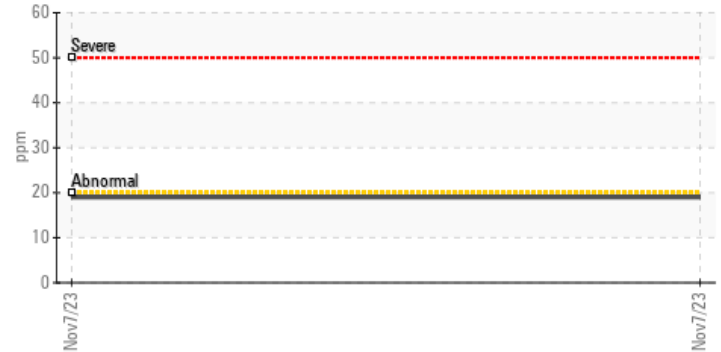
Chromium (ppm)



▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

