



CONSTRUCTION EQUIPMENT

RA117 VOLVO A40G 353251 - WET DISC BRAKE



Sample No: VCE196364
Oil Type: VOLVO WB 102
Job No: RA117



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SAMPLE INFORMATION

Sample Number	VCE196364	---	---	---
Sample Date	29 Nov 2023	---	---	---
Machine Hours	2018	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 40.35	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 22	---	---	---
Sodium	ppm	█ 11	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	▲ 71	---	---	---
Copper	ppm	█ 69	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 3571	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 1563	---	---	---
Phosphorus	ppm	█ 1311	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 115	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. 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: VOLVO0080
Unique No: 10769948
Signed: Jonathan Hester
Report Date: 11 Dec 2023

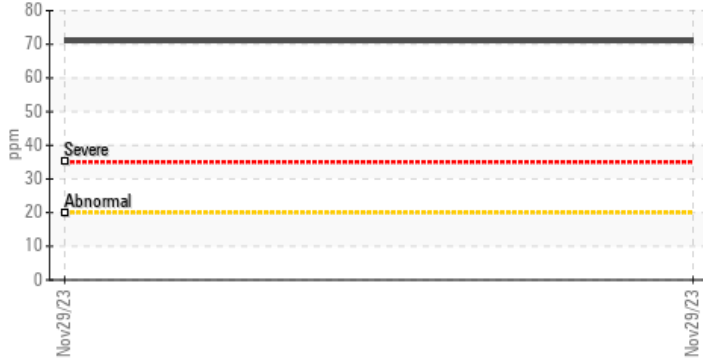


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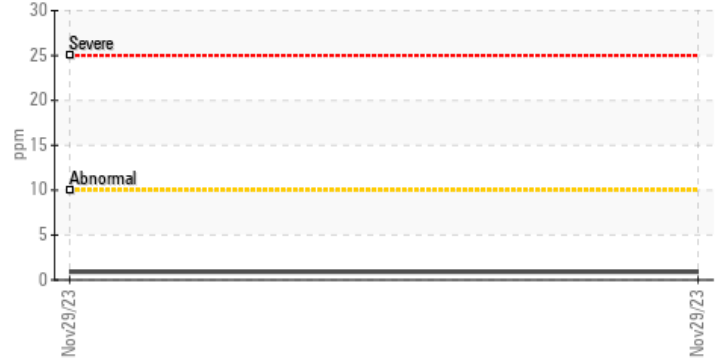


VOLVO GRAPHS

▲ Iron (ppm)



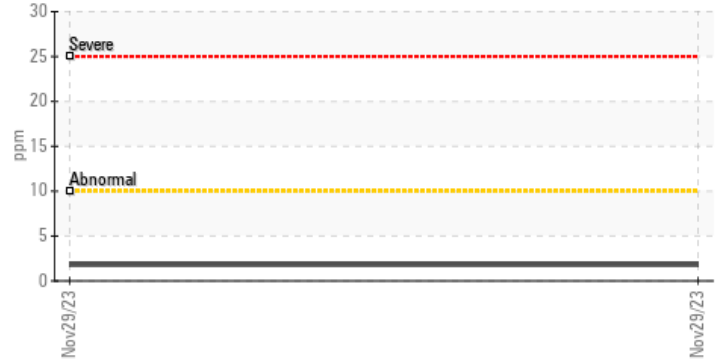
Lead (ppm)



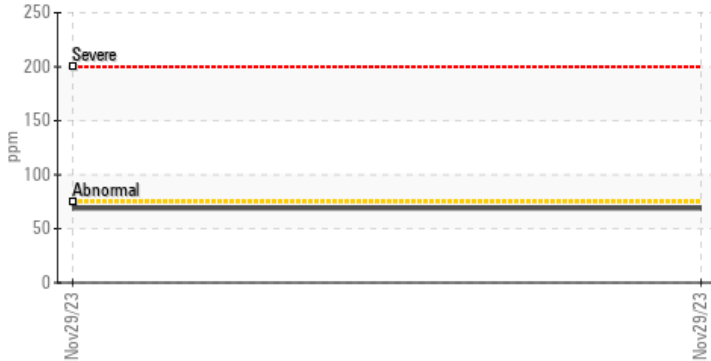
Aluminum (ppm)



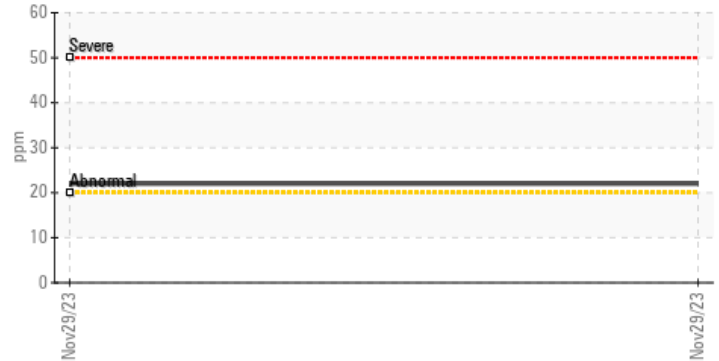
Chromium (ppm)



Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

