



CONSTRUCTION EQUIPMENT

VOLVO A40G 352507 - WET DISC BRAKE



Sample No: VCP304040
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No:



SAMPLE INFORMATION

Sample Number	VCP304040	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	4221	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

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

Silicon	ppm	▲ 24	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 3	---	---	---

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.

WEAR METALS

Iron	ppm	▲ 54	---	---	---
Copper	ppm	▲ 225	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 8	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 3366	---	---	---
Magnesium	ppm	■ 8	---	---	---
Zinc	ppm	■ 1473	---	---	---
Phosphorus	ppm	■ 1374	---	---	---
Barium	ppm	■ 9	---	---	---
Boron	ppm	■ 117	---	---	---

Depot: VOLVO0090
Unique No: 10709606
Signed: Jonathan Hester
Report Date: 25 Oct 2023

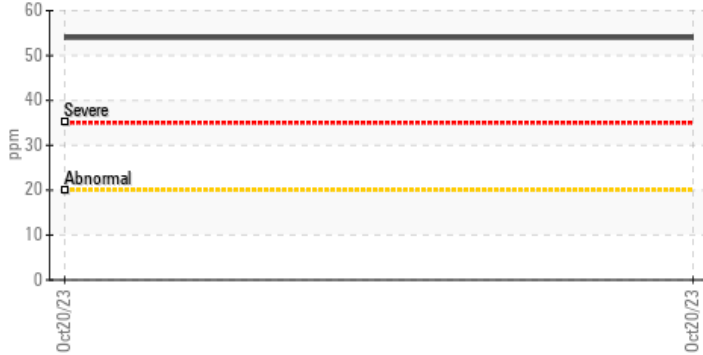


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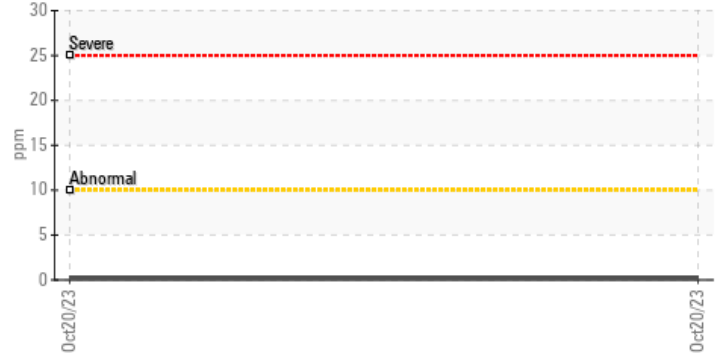


GRAPHS

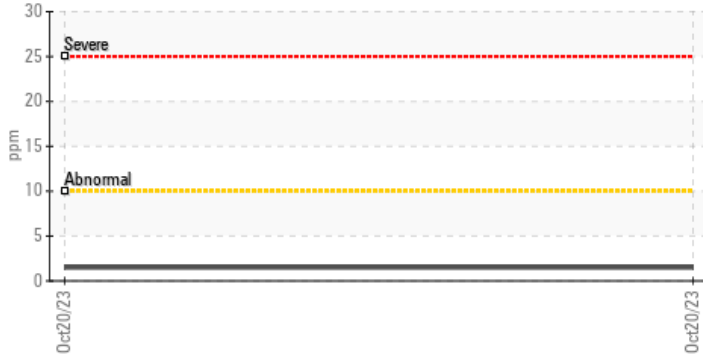
▲ Iron (ppm)



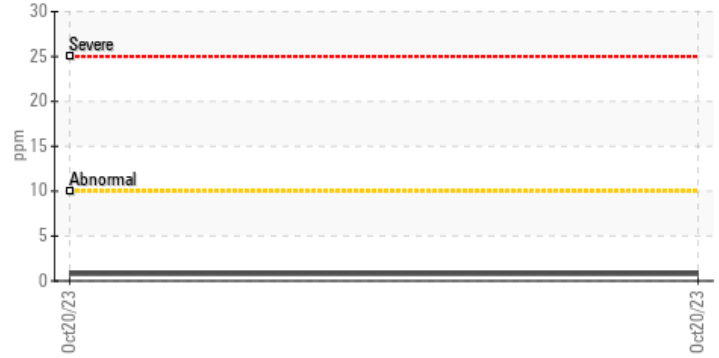
Lead (ppm)



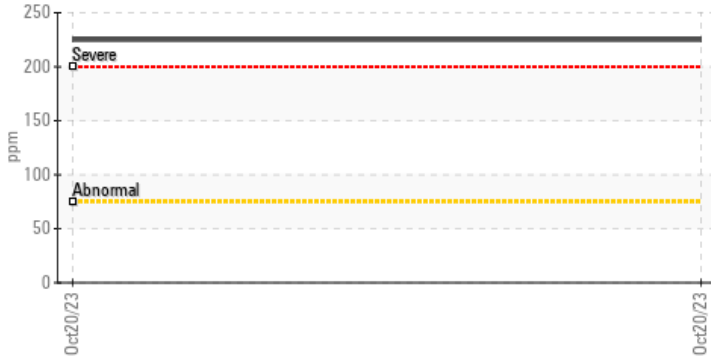
Aluminum (ppm)



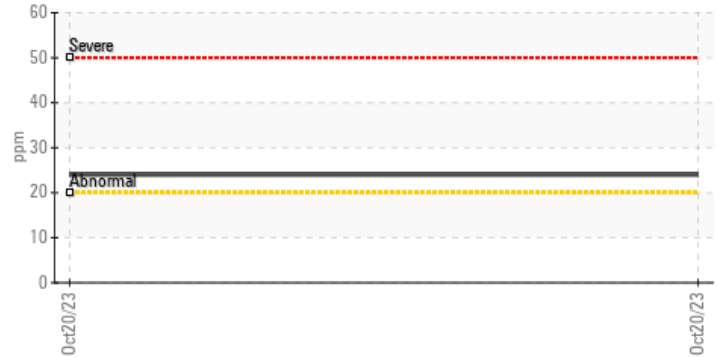
Chromium (ppm)



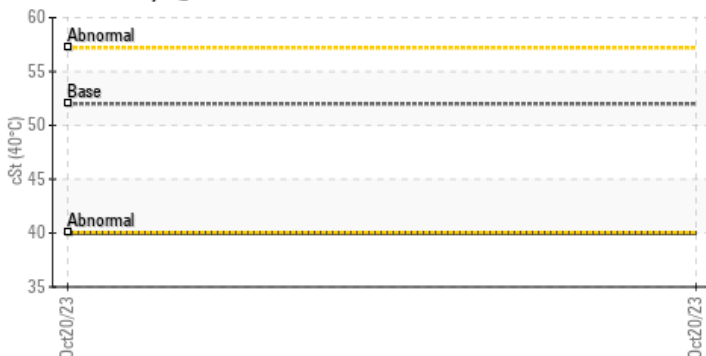
▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

