



CONSTRUCTION EQUIPMENT

689395 VOLVO A40G 353159 - WET DISC BRAKE



Sample No: VCP455104
Oil Type: {unknown}
Job No: 689395



SAMPLE INFORMATION

Sample Number	VCP455104	---	---	---
Sample Date	28 Mar 2024	---	---	---
Machine Hours	2692	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

JON M HALL COMPANY
 1920 BOOTHE CIRCLE SUITE 110
 LONGWOOD, FL
 US 32750
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	■ 40.7	---	---	---
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T: (407)215-0410
 F:



CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	▲ 22	---	---	---
Sodium	ppm	■ 10	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis
 The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. 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	▲ 23	---	---	---
Copper	ppm	▲ 139	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ 4	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



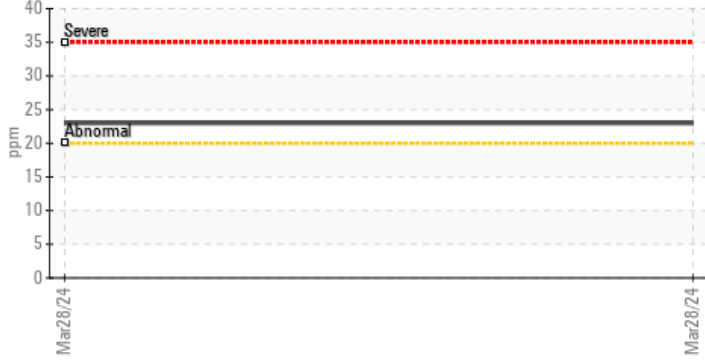
ADDITIVES

Calcium	ppm	3703	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	1538	---	---	---
Phosphorus	ppm	1330	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	122	---	---	---

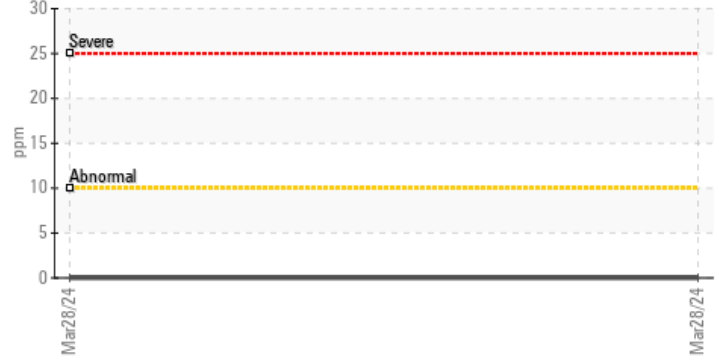
Depot: JONLON
Unique No: 10994898
Signed: Jonathan Hester
Report Date: 26 Apr 2024

VOLVO **GRAPHS**

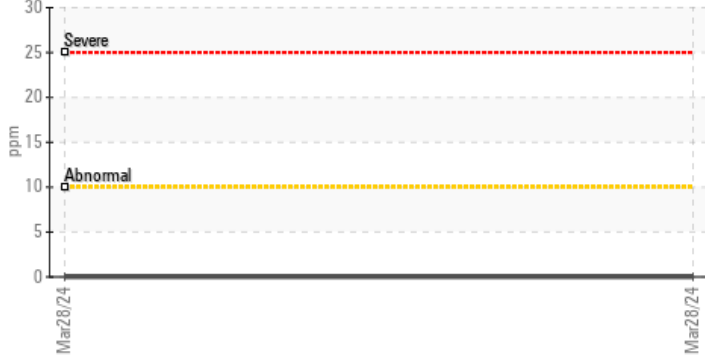
▲ Iron (ppm)



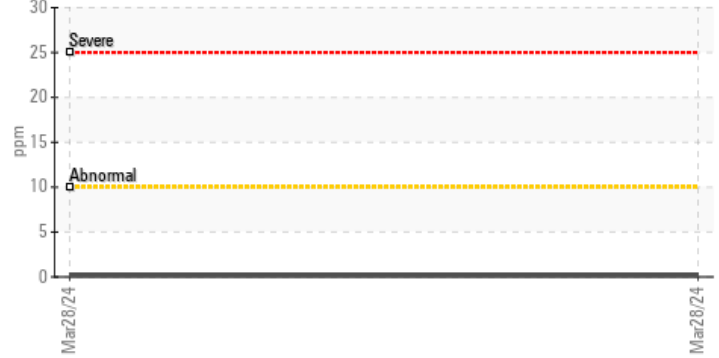
Lead (ppm)



Aluminum (ppm)



Chromium (ppm)



▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

