



CONSTRUCTION EQUIPMENT

VOLVO A45G 352818 - WET DISC BRAKE



Sample No: VCP438585
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No:



SAMPLE INFORMATION

Sample Number	VCP438585	---	---	---
Sample Date	21 Mar 2024	---	---	---
Machine Hours	4114	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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 tlark@altaequipfl.com
 T:
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OIL CONDITION

Visc @ 40°C	cSt	■ 39.7	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 22	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	▲ 24	---	---	---
Copper	ppm	▲ 227	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 7	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 3760	---	---	---
Magnesium	ppm	■ 9	---	---	---
Zinc	ppm	■ 1558	---	---	---
Phosphorus	ppm	■ 1411	---	---	---
Barium	ppm	■ 1	---	---	---
Boron	ppm	■ 131	---	---	---

Diagnosis

No corrective action is recommended at this time. 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.

Depot: VOLVO0090
Unique No: 10942427
Signed: Jonathan Hester
Report Date: 28 Mar 2024

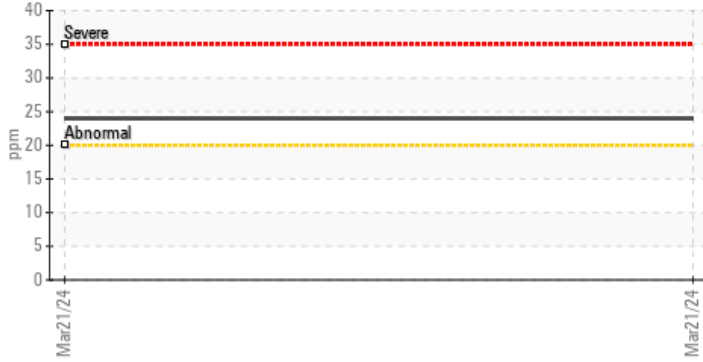


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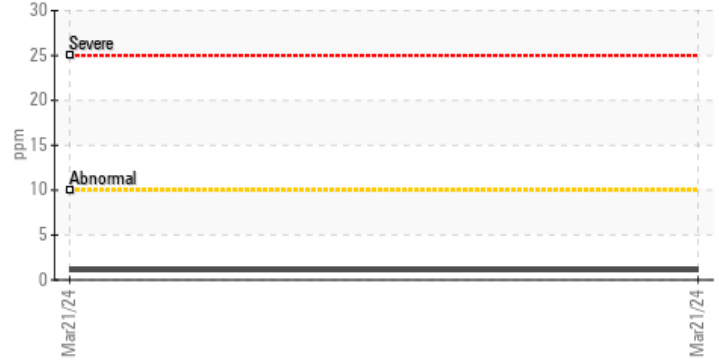


GRAPHS

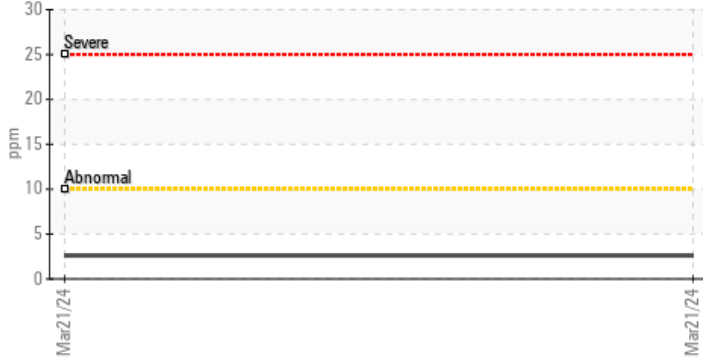
▲ Iron (ppm)



Lead (ppm)



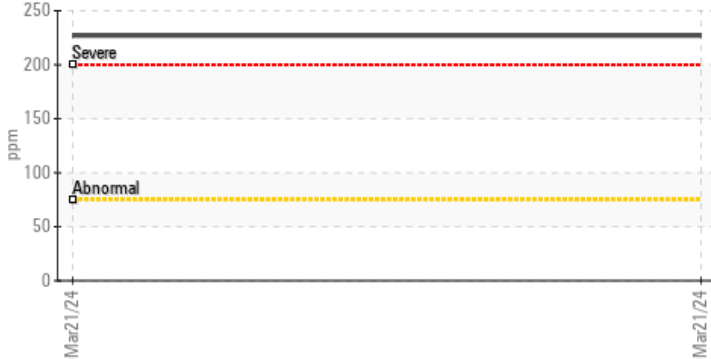
Aluminum (ppm)



Chromium (ppm)



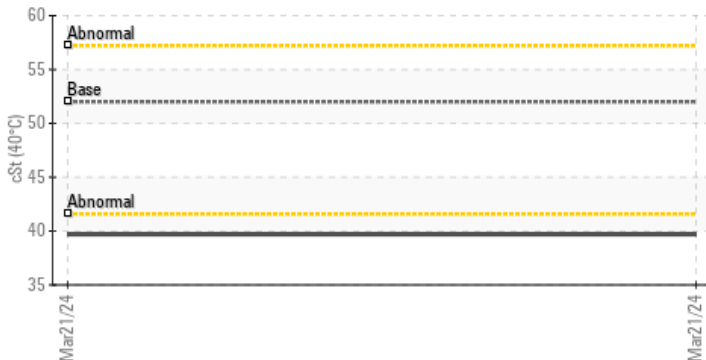
▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

