



CONSTRUCTION EQUIPMENT

VOLVO A40G 352778 - WET DISC BRAKE



Sample No: VCP438451
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No:



SAMPLE INFORMATION

Sample Number	VCP438451	VCP415812	---	---
Sample Date	20 Feb 2024	29 Jun 2023	---	---
Machine Hours	4770	3734	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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OIL CONDITION

Visc @ 40°C	cSt	41.9	40.7	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 24	▲ 24	---	---
Sodium	ppm	■ 9	■ 6	---	---
Potassium	ppm	■ <1	■ 2	---	---

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.



WEAR METALS

Iron	ppm	▲ 51	■ 36	---	---
Copper	ppm	▲ 206	▲ 191	---	---
Lead	ppm	■ <1	■ <1	---	---
Tin	ppm	■ <1	■ <1	---	---
Aluminum	ppm	■ 2	■ 2	---	---
Chromium	ppm	■ 1	■ 1	---	---
Molybdenum	ppm	■ 0	■ <1	---	---
Nickel	ppm	■ 6	■ 6	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 2	■ 2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 3359	■ 3410	---	---
Magnesium	ppm	■ 13	■ 13	---	---
Zinc	ppm	■ 1476	■ 1453	---	---
Phosphorus	ppm	■ 1314	■ 1255	---	---
Barium	ppm	■ 0	■ 2	---	---
Boron	ppm	■ 90	■ 103	---	---

Depot: VOLVO0090
Unique No: 10900250
Signed: Jonathan Hester
Report Date: 29 Feb 2024

VOLVO **GRAPHS**

