



CONSTRUCTION EQUIPMENT

VOLVO A45G FS 352634 - WET DISC BRAKE



Sample No: VCP436119
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No:



ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



SAMPLE INFORMATION

Sample Number	VCP436119	---	---	---
Sample Date	05 Jan 2024	---	---	---
Machine Hours	2399	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 41.1	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 20	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	▲ 29	---	---	---
Copper	ppm	▲ 253	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3927	---	---	---
Magnesium	ppm	█ 13	---	---	---
Zinc	ppm	█ 1551	---	---	---
Phosphorus	ppm	█ 1261	---	---	---
Barium	ppm	█ 7	---	---	---
Boron	ppm	█ 129	---	---	---

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: 10820315
Signed: Jonathan Hester
Report Date: 10 Jan 2024

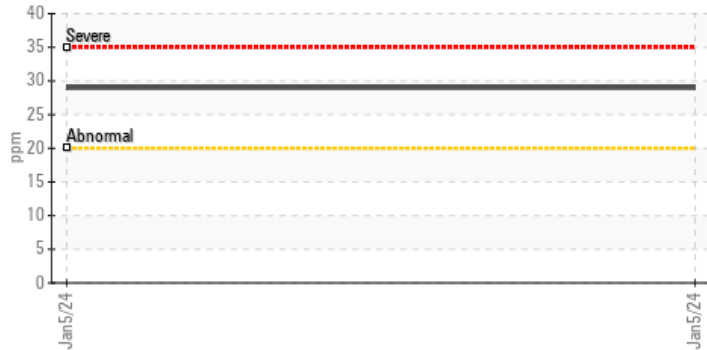


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GRAPHS

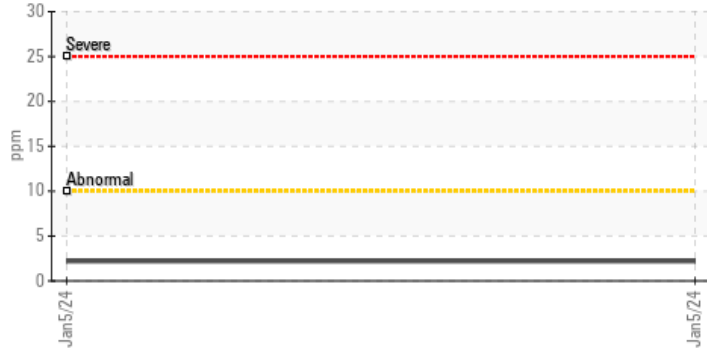
▲ Iron (ppm)



Lead (ppm)



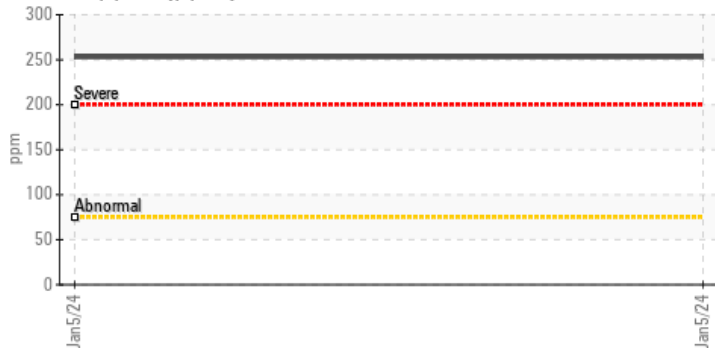
Aluminum (ppm)



Chromium (ppm)



▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

