



CONSTRUCTION EQUIPMENT

24860 VOLVO A45G 342052 - TRANSMISSION (AUTO)



Sample No: VCP440943
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 24860



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SAMPLE INFORMATION

Sample Number	VCP440943	---	---	---
Sample Date	07 Feb 2024	---	---	---
Machine Hours	7690	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 27.8	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 22	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 37	---	---	---
Copper	ppm	■ 20	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	▲ 20	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 84	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	<1	---	---	---
Phosphorus	ppm	■ 188	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 95	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO3387
Unique No: 10873911
Signed: Don Baldrige
Report Date: 13 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

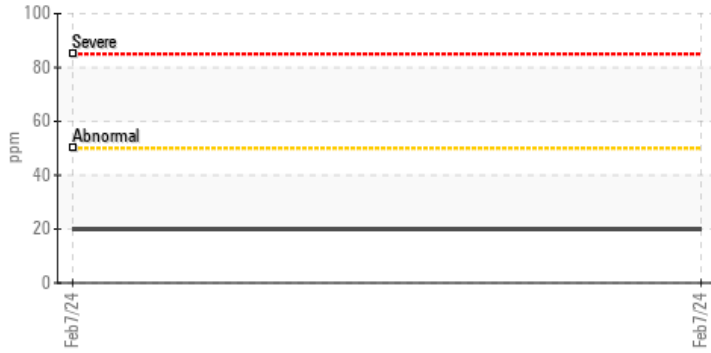
Iron (ppm)



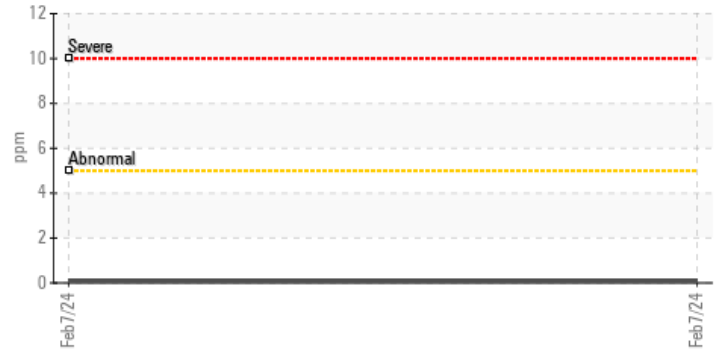
Lead (ppm)



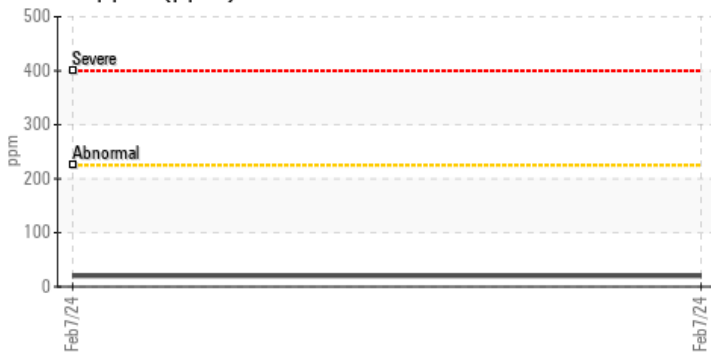
Aluminum (ppm)



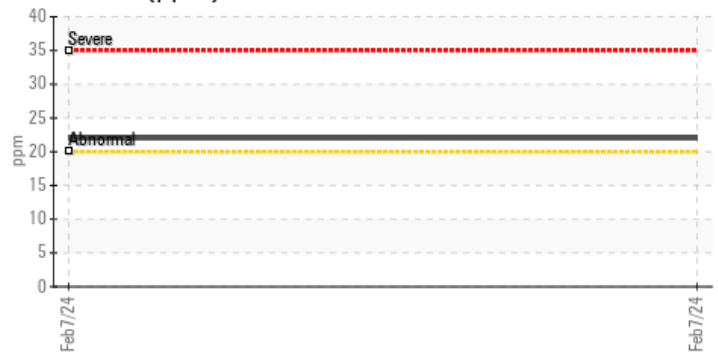
Chromium (ppm)



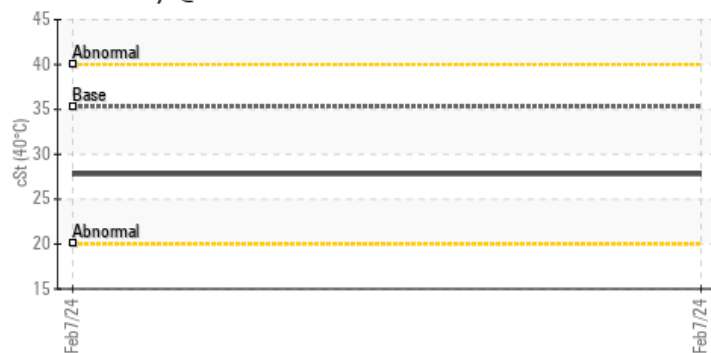
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

