



CONSTRUCTION EQUIPMENT

X11168 OLD CASTLE VOLVO L90H 626890 - REAR AXLE



Sample No: VCP439720
Oil Type: TRANSAXLE OIL SAE 75W80
Job No: X11168 OLD CASTLE



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SAMPLE INFORMATION

Sample Number	VCP439720	---	---	---
Sample Date	09 Feb 2024	---	---	---
Machine Hours	1013	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 41.24	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 57	---	---	---
Copper	ppm	▲ 210	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	▲ 23	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 8	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 3672	---	---	---
Magnesium	ppm	█ 12	---	---	---
Zinc	ppm	█ 1559	---	---	---
Phosphorus	ppm	█ 1294	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 131	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO1034
Unique No: 10883381
Signed: Doug Bogart
Report Date: 20 Feb 2024



CONSTRUCTION EQUIPMENT

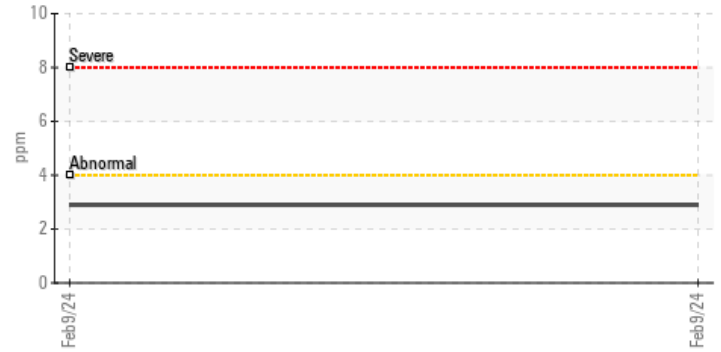


GRAPHS

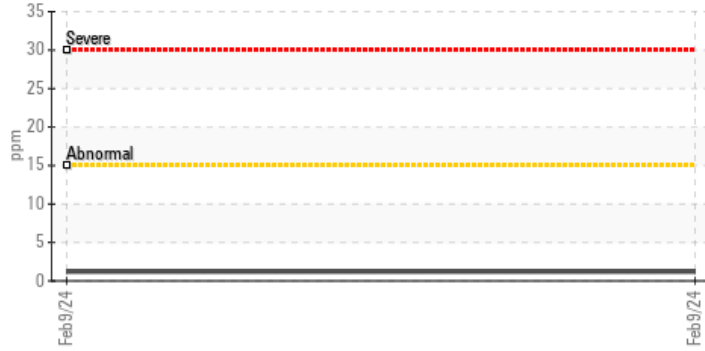
Iron (ppm)



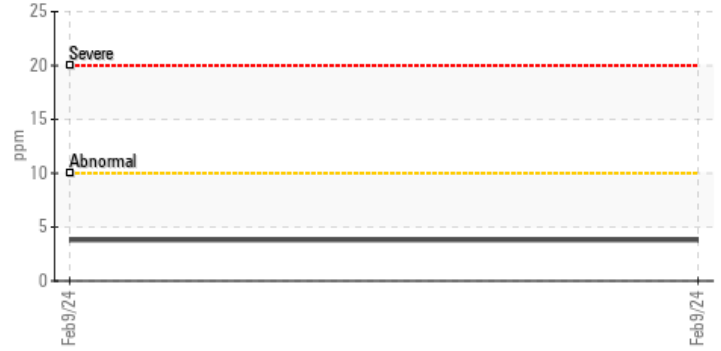
Lead (ppm)



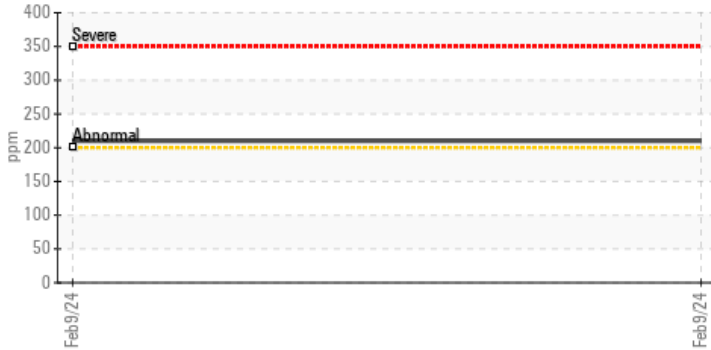
Aluminum (ppm)



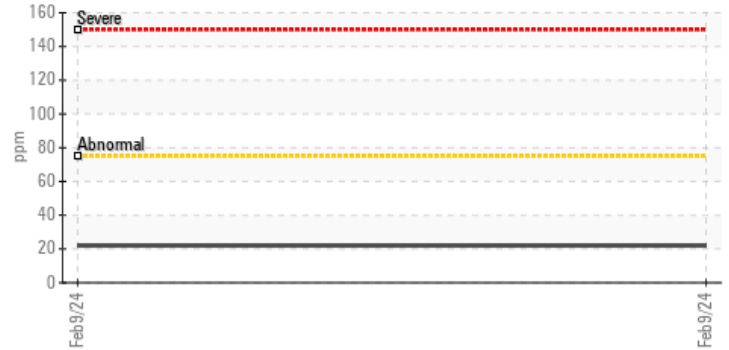
Chromium (ppm)



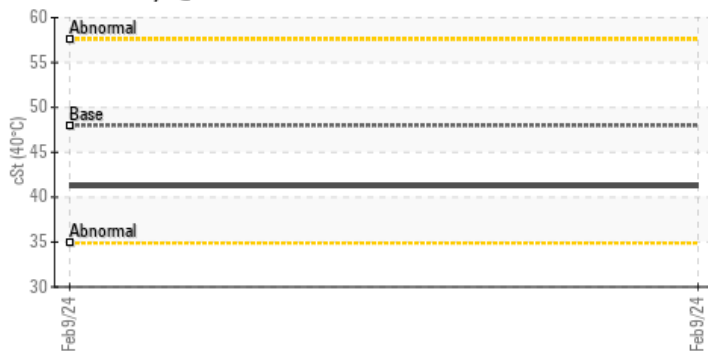
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

