



# CONSTRUCTION EQUIPMENT

SPM688079 US STEEL VOLVO A25G 752203 - BOGIE/CENTER AXLE



**Sample No:** VCP427293  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM688079 US STEEL



## SAMPLE INFORMATION

Sample Number	VCP427293	VCP360039	---	---
Sample Date	19 Mar 2024	29 Mar 2022	---	---
Machine Hours	9546	3706	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 134	76.1	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 1	█ 4	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ 0	█ <1	---	---



## WEAR METALS

Iron	ppm	█ 70	█ 199	---	---
Copper	ppm	▲ 898	█ 82	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	▲ 26	█ 4	---	---
Aluminum	ppm	█ <1	█ 2	---	---
Chromium	ppm	█ <1	█ 4	---	---
Molybdenum	ppm	█ 1	█ 6	---	---
Nickel	ppm	█ 0	█ 3	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	5	---	---
Manganese	ppm	█ 2	█ 11	---	---
Vanadium	ppm	0	<1	---	---



## ADDITIVES

Calcium	ppm	█ 84	█ 598	---	---
Magnesium	ppm	█ 0	█ 12	---	---
Zinc	ppm	█ 28	█ 265	---	---
Phosphorus	ppm	█ 431	█ 1309	---	---
Barium	ppm	█ 0	█ 5	---	---
Boron	ppm	█ 6	█ 171	---	---

## Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. High concentration of visible metal present. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO8885  
**Unique No:** 10990299  
**Signed:** Sean Felton  
**Report Date:** 24 Apr 2024



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## GRAPHS

