



# CONSTRUCTION EQUIPMENT

SW-20706-2 CMC VOLVO L180H 5503 - FRONT AXLE



**Sample No:** VCP426860  
**Oil Type:** VOLVO WB 102  
**Job No:** SW-20706-2 CMC



## SAMPLE INFORMATION

Sample Number	VCP426860	VCP426859	---	---
Sample Date	28 Jun 2023	28 Jun 2023	---	---
Machine Hours	3902	3902	---	---
Oil Hours	3902	3902	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	■ 39.7	■ 39.7	---	---
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## CONTAMINATION

Silicon	ppm	■ 14	■ 27	---	---
Sodium	ppm	■ 10	■ 10	---	---
Potassium	ppm	■ 4	■ 4	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	■ 184	■ 211	---	---
Copper	ppm	■ 5	■ 6	---	---
Lead	ppm	■ 0	■ <1	---	---
Tin	ppm	■ <1	■ <1	---	---
Aluminum	ppm	■ <1	■ 2	---	---
Chromium	ppm	■ 5	■ 4	---	---
Molybdenum	ppm	■ 5	■ 3	---	---
Nickel	ppm	■ <1	■ 1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 7	■ 6	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	■ 3751	■ 3857	---	---
Magnesium	ppm	■ 13	■ 12	---	---
Zinc	ppm	■ 1599	■ 1629	---	---
Phosphorus	ppm	■ 1354	■ 1365	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 124	■ 129	---	---

**Depot:** VOLVO8770  
**Unique No:** 10547481  
**Signed:** Wes Davis  
**Report Date:** 07 Jul 2023



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## GRAPHS

