



# CONSTRUCTION EQUIPMENT

SPM567352 NEW HOLLAND C345 NNM414499 - RIGHT FINAL DRIVE



**Sample No:** VCP420068  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM567352



## SAMPLE INFORMATION

Sample Number	VCP420068	---	---	---
Sample Date	22 Jun 2023	---	---	---
Machine Hours	368	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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5000 INDUSTRIAL HWY  
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## OIL CONDITION

Visc @ 40°C	cSt	▲ 80.4	---	---	---
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## CONTAMINATION

Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 72	---	---	---
Potassium	ppm	■ 5	---	---	---



## WEAR METALS

Iron	ppm	▲ 723	---	---	---
Copper	ppm	▲ 195	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 20	---	---	---
Chromium	ppm	■ 14	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ 9	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 11	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 117	---	---	---
Magnesium	ppm	■ 194	---	---	---
Zinc	ppm	■ 101	---	---	---
Phosphorus	ppm	■ 2227	---	---	---
Barium	ppm	■ 3	---	---	---
Boron	ppm	■ 266	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or gear wear is indicated. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8885  
**Unique No:** 10548884  
**Signed:** Don Baldrige  
**Report Date:** 11 Jul 2023



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## VOLVO GRAPHS

