



# CONSTRUCTION EQUIPMENT

SPM568443 CROSSTOWN CATERPILLAR 305.5 H5M04559 - LEFT FINAL DRIVE



**Sample No:** VCP422851  
**Oil Type:** GEAR OIL SAE 75W90  
**Job No:** SPM568443 CROSSTOWN



## SAMPLE INFORMATION

Sample Number	VCP422851	---	---	---
Sample Date	06 Jul 2023	---	---	---
Machine Hours	2444	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT CO - ORLAND PARK**  
5000 INDUSTRIAL HWY  
GARY, IN  
US 46406  
Contact: DAVE ENG  
DAVE.ENG@ALTG.COM  
T: (312)350-2560  
F:



## OIL CONDITION

Visc @ 40°C	cSt	182	---	---	---
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## CONTAMINATION

Silicon	ppm	▲ 188	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 16	---	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Confirm oil type. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	▲ 841	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 40	---	---	---
Chromium	ppm	■ 7	---	---	---
Molybdenum	ppm	■ 149	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	■ 2	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	< 1	---	---	---



## ADDITIVES

Calcium	ppm	■ 154	---	---	---
Magnesium	ppm	■ 40	---	---	---
Zinc	ppm	■ 52	---	---	---
Phosphorus	ppm	■ 1313	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 130	---	---	---

**Depot:** VOLVO8885  
**Unique No:** 10560807  
**Signed:** Don Baldrige  
**Report Date:** 18 Jul 2023



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## GRAPHS

