



# CONSTRUCTION EQUIPMENT

SPM594625 VOLVO EC750E 314108 - REAR LEFT FINAL DRIVE



**Sample No:** VCP413422  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SPM594625



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## SAMPLE INFORMATION

Sample Number	VCP413422	---	---	---
Sample Date	17 Aug 2023	---	---	---
Machine Hours	2059	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

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

Silicon	ppm	▲ 132	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 3	---	---	---



## WEAR METALS

Iron	ppm	▲ 1019	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	▲ 13	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 11	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 38	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 11	---	---	---
Phosphorus	ppm	█ 231	---	---	---
Barium	ppm	█ 9	---	---	---
Boron	ppm	█ 0	---	---	---

## Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0093  
**Unique No:** 10617704  
**Signed:** Sean Felton  
**Report Date:** 25 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

