



# CONSTRUCTION EQUIPMENT

X47248 JOSHLIN CONST VOLVO EC350 310659 - BOGIE/CENTER AXLE



**Sample No:** VCP416673  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** X47248 JOSHLIN CONST



## SAMPLE INFORMATION

Sample Number	VCP416673	---	---	---
Sample Date	21 Jul 2023	---	---	---
Machine Hours	6117	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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## CONTAMINATION

Silicon	ppm	10000	---	---	---
Sodium	ppm	60	---	---	---
Potassium	ppm	193	---	---	---



## WEAR METALS

Iron	ppm	10000	---	---	---
Copper	ppm	56	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	6	---	---	---
Aluminum	ppm	800	---	---	---
Chromium	ppm	330	---	---	---
Molybdenum	ppm	48	---	---	---
Nickel	ppm	28	---	---	---
Titanium	ppm	156	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	208	---	---	---
Vanadium	ppm	4	---	---	---



## ADDITIVES

Calcium	ppm	82	---	---	---
Magnesium	ppm	80	---	---	---
Zinc	ppm	35	---	---	---
Phosphorus	ppm	421	---	---	---
Barium	ppm	18	---	---	---
Boron	ppm	7	---	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please note that the oil was too thick to perform some of the normal laboratory tests. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO6244  
**Unique No:** 10575832  
**Signed:** Jonathan Hester  
**Report Date:** 31 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

