



# CONSTRUCTION EQUIPMENT

306038-20 ELITE BLDR VOLVO ECR145EL 311383 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP418843  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 306038-20 ELITE BLDR



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
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## SAMPLE INFORMATION

Sample Number	VCP418843	---	---	---
Sample Date	11 Jul 2023	---	---	---
Machine Hours	912	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	143	---	---	---
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## CONTAMINATION

Silicon	ppm	316	---	---	---
Sodium	ppm	19	---	---	---
Potassium	ppm	28	---	---	---



## WEAR METALS

Iron	ppm	1096	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	64	---	---	---
Chromium	ppm	18	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	7	---	---	---
Titanium	ppm	7	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	15	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	35	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	20	---	---	---
Phosphorus	ppm	175	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

## 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. We recommend an early resample to monitor this condition. 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:** VOLVO0093  
**Unique No:** 10561638  
**Signed:** Jonathan Hester  
**Report Date:** 20 Jul 2023



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## GRAPHS

