



CONSTRUCTION EQUIPMENT

THOMPSON BUILDS VOLVO EC160EL 314333 - FRONT RIGHT FINAL DRIVE



Sample No: VCP417982
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: THOMPSON BUILDS



SAMPLE INFORMATION

Sample Number	VCP417982	---	---	---
Sample Date	01 Aug 2023	---	---	---
Machine Hours	588	---	---	---
Oil Hours	588	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	179	---	---	---
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CONTAMINATION

Silicon	ppm	234	---	---	---
Sodium	ppm	10	---	---	---
Potassium	ppm	19	---	---	---



WEAR METALS

Iron	ppm	856	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	47	---	---	---
Chromium	ppm	11	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	11	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	33	---	---	---
Magnesium	ppm	12	---	---	---
Zinc	ppm	14	---	---	---
Phosphorus	ppm	360	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	1	---	---	---

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 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: VOLV00142
Unique No: 10588371
Signed: Jonathan Hester
Report Date: 07 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

