



CONSTRUCTION EQUIPMENT

310041-3 VOLVO EC480E 311308 - REAR AXLE



Sample No: VCP416158
Oil Type: GEAR OIL SAE 80W90
Job No: 310041-3



SAMPLE INFORMATION

Sample Number	VCP416158	---	---	---
Sample Date	20 Aug 2023	---	---	---
Machine Hours	2193	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
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	█ 191	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Silicon	ppm	▲ 425	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ 38	---	---	---

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.



WEAR METALS

Iron	ppm	▲ 1276	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 89	---	---	---
Chromium	ppm	▲ 17	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	7	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 13	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 101	---	---	---
Magnesium	ppm	█ 22	---	---	---
Zinc	ppm	█ 15	---	---	---
Phosphorus	ppm	█ 405	---	---	---
Barium	ppm	█ 9	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: VOLV00142
Unique No: 10630570
Signed: Don Baldrige
Report Date: 05 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

