



CONSTRUCTION EQUIPMENT

580485 VOLVO EC300EL 314677 - REAR LEFT FINAL DRIVE



Sample No: VCP422681
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 580485



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP422681	VCP386075	---	---
Sample Date	25 Jul 2023	01 Nov 2022	---	---
Machine Hours	1036	494	---	---
Oil Hours	1036	494	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	240	█ 170	---	---
-------------	-----	------------	-------	-----	-----



CONTAMINATION

Silicon	ppm	▲ 84	█ 12	---	---
Sodium	ppm	█ 1	█ <1	---	---
Potassium	ppm	█ 8	█ 0	---	---



WEAR METALS

Iron	ppm	▲ 626	█ 374	---	---
Copper	ppm	█ 1	█ 1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 8	█ 2	---	---
Chromium	ppm	▲ 15	█ 6	---	---
Molybdenum	ppm	█ 5	█ 1	---	---
Nickel	ppm	█ 1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 8	█ 4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 129	█ 149	---	---
Magnesium	ppm	█ 19	█ 1	---	---
Zinc	ppm	█ 89	█ 56	---	---
Phosphorus	ppm	█ 879	█ 232	---	---
Barium	ppm	█ 0	█ 1	---	---
Boron	ppm	█ 84	█ 6	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. 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: 10616432
Signed: Don Baldrige
Report Date: 23 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

