



CONSTRUCTION EQUIPMENT

19374 VORTEX VOLVO EC200EL 314626 - REAR RIGHT FINAL DRIVE



Sample No: VCP408432
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 19374 VORTEX



SAMPLE INFORMATION

Sample Number	VCP408432	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	1473	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 2002 N GREENE ST
 GREENVILLE, NC
 US 27834
 Contact: BRANDON JENKINS
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM
 T:
 F: (704)494-8197



OIL CONDITION

Visc @ 40°C	cSt	█ 141	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 194	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 14	---	---	---

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. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 473	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 76	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	5	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 44	---	---	---
Magnesium	ppm	█ 13	---	---	---
Zinc	ppm	█ 26	---	---	---
Phosphorus	ppm	█ 863	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 86	---	---	---

Depot: VOLVO8769
Unique No: 10616997
Signed: Don Baldrige
Report Date: 24 Aug 2023



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GRAPHS

