



CONSTRUCTION EQUIPMENT

9784 VOLVO EC200 314855 - REAR RIGHT FINAL DRIVE



Sample No: VCP413845

Oil Type: VOLVO 90

Job No: 9784



SAMPLE INFORMATION

Sample Number	VCP413845	---	---	---
Sample Date	17 Oct 2023	---	---	---
Machine Hours	527	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

MCCLUNG-LOGAN EQUIPMENT CO - BALTIMORE
 4601 WASHINGTON BOULEVARD
 BALTIMORE, MD
 US 21227
 Contact: MARK CIULLA
 mciulla@mcclung-logan.com
 T: (410)242-6500
 F: (410)242-7835



OIL CONDITION

Visc @ 40°C	cSt	■ 181	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Water	%	▲ 0.325	---	---	---
Silicon	ppm	▲ 266	---	---	---
Sodium	ppm	■ 9	---	---	---
Potassium	ppm	■ 5	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is a light concentration of water present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 551	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 15	---	---	---
Chromium	ppm	■ 8	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	7	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	54	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	18	---	---	---
Phosphorus	ppm	160	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	<1	---	---	---

Depot: VOLV00150
Unique No: 10712161
Signed: Don Baldrige
Report Date: 27 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

