



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 310945 - REAR LEFT FINAL DRIVE



Sample No: VCP422273

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP422273	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	6796	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

UNITED RENTALS

5357 NC-11 N
WINTERVILLE, NC
US 28590
Contact: SKYLAR HERRING
sherring1@ur.com
T: (252)414-2088
F:



OIL CONDITION

Visc @ 40°C	cSt	█ 668	---	---	---
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CONTAMINATION

Silicon	ppm	◆ 3815	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ 124	---	---	---



WEAR METALS

Iron	ppm	◆ 9865	---	---	---
Copper	ppm	█ 20	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 506	---	---	---
Chromium	ppm	◆ 80	---	---	---
Molybdenum	ppm	11	---	---	---
Nickel	ppm	▲ 13	---	---	---
Titanium	ppm	█ 73	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	67	---	---	---
Vanadium	ppm	2	---	---	---



ADDITIVES

Calcium	ppm	257	---	---	---
Magnesium	ppm	56	---	---	---
Zinc	ppm	56	---	---	---
Phosphorus	ppm	470	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	55	---	---	---

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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. 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: UNIWINVC
Unique No: 10616977
Signed: Don Baldrige
Report Date: 24 Aug 2023



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GRAPHS

