



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 311036 - SWING DRIVE



Sample No: VCP423447

Oil Type: VOLVO

Job No:



SAMPLE INFORMATION

Sample Number	VCP423447	---	---	---
Sample Date	15 Aug 2023	---	---	---
Machine Hours	9908	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

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 Contact: JAMES DOSS
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	■ 41.0	---	---	---
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CONTAMINATION

Silicon	ppm	■ 14	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 3	---	---	---

Diagnosis

HYDRAULIC PUMP FAILURE. The copper level is severe. All other component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil.



WEAR METALS

Iron	ppm	■ 550	---	---	---
Copper	ppm	● 106	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 12	---	---	---
Chromium	ppm	■ 7	---	---	---
Molybdenum	ppm	140	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	36	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	589	---	---	---
Phosphorus	ppm	598	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	3	---	---	---

Depot: VOLVO1034
Unique No: 10608432
Signed: Don Baldrige
Report Date: 21 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

