



# CONSTRUCTION EQUIPMENT

## SWO782500 KOMATSU PC490LC A40410 - RIGHT FINAL DRIVE



**Sample No:** VCP05421850  
**Oil Type:** TDTO FLUID SAE 30  
**Job No:** SWO782500



### SAMPLE INFORMATION

Sample Number	VCP05421850	---	---	---
Sample Date	03 Dec 2021	---	---	---
Machine Hours	4736	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	■ 91.9	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 450	---	---	---
Sodium	ppm	■ 11	---	---	---
Potassium	ppm	■ 25	---	---	---



### WEAR METALS

Iron	ppm	▲ 1380	---	---	---
Copper	ppm	■ 16	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	● 54	---	---	---
Chromium	ppm	▲ 15	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	7	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 11	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	■ 2673	---	---	---
Magnesium	ppm	■ 27	---	---	---
Zinc	ppm	■ 1019	---	---	---
Phosphorus	ppm	■ 891	---	---	---
Barium	ppm	■ 5	---	---	---
Boron	ppm	■ 7	---	---	---

### 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. We recommend an early resample to monitor this condition. 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:** VOLVO8885  
**Unique No:** 9776041  
**Signed:** Don Baldrige  
**Report Date:** 15 Dec 2021



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## GRAPHS

