



# CONSTRUCTION EQUIPMENT

## SPM567536 KOMATSU PC290LC A25486 - LEFT FINAL DRIVE



**Sample No:** VCP386925  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM567536



### SAMPLE INFORMATION

Sample Number	VCP386925	---	---	---
Sample Date	26 Jun 2023	---	---	---
Machine Hours	5013	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**JOHN KENO & CO**  
 750 RICARD LN  
 ELK GROVE VILLAGE, IL  
 US 60007  
 Contact: LUKAS DECKER  
 ldecker@johnkeno.com  
 T: (847)340-2432  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	▲ 88.5	---	---	---
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### CONTAMINATION

Silicon	ppm	▲ 161	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 12	---	---	---



### WEAR METALS

Iron	ppm	■ 198	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 30	---	---	---
Chromium	ppm	■ 7	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	■ 4234	---	---	---
Magnesium	ppm	■ 41	---	---	---
Zinc	ppm	■ 1075	---	---	---
Phosphorus	ppm	■ 881	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 0	---	---	---

### 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 oil viscosity is lower than normal. Confirm oil type.

**Depot:** JOHELK  
**Unique No:** 10548899  
**Signed:** Don Baldrige  
**Report Date:** 11 Jul 2023

**VOLVO** **GRAPHS**

