



# CONSTRUCTION EQUIPMENT

## SPM567738 KOMATSU PC490 A42 178 - LEFT FINAL DRIVE



**Sample No:** VCP409275  
**Oil Type:** TDTO FLUID SAE 30  
**Job No:** SPM567738



### SAMPLE INFORMATION

Sample Number	VCP409275	---	---	---
Sample Date	30 Jun 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not 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	■ 96.5	---	---	---
-------------	-----	--------	-----	-----	-----



### CONTAMINATION

Silicon	ppm	▲ 173	---	---	---
Sodium	ppm	■ 9	---	---	---
Potassium	ppm	■ 15	---	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. 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 condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	■ 346	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 31	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	■ 4222	---	---	---
Magnesium	ppm	■ 55	---	---	---
Zinc	ppm	■ 1067	---	---	---
Phosphorus	ppm	■ 889	---	---	---
Barium	ppm	■ 13	---	---	---
Boron	ppm	■ 6	---	---	---

**Depot:** JOHELK  
**Unique No:** 10548901  
**Signed:** Don Baldrige  
**Report Date:** 11 Jul 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

