



CONSTRUCTION EQUIPMENT

SPM567736 KOMATSU D61PXI 30567 - LEFT FINAL DRIVE



Sample No: VCP421913
Oil Type: TDTO FLUID SAE 30
Job No: SPM567736



SAMPLE INFORMATION

Sample Number	VCP421913	VCP317711	---	---
Sample Date	10 Jul 2023	30 Jun 2021	---	---
Machine Hours	4457	3927	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	SEVERE	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	183	88.3	---	---
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CONTAMINATION

Silicon	ppm	▲ 82	● 316	---	---
Sodium	ppm	■ 1	■ 9	---	---
Potassium	ppm	■ 2	■ 25	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. No corrective action is recommended at this time. 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. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 227	▲ 855	---	---
Copper	ppm	■ 4	■ 11	---	---
Lead	ppm	■ 0	■ <1	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	▲ 10	▲ 60	---	---
Chromium	ppm	■ 5	▲ 15	---	---
Molybdenum	ppm	■ 5	■ 9	---	---
Nickel	ppm	<1	2	---	---
Titanium	ppm	2	■ 18	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 2	■ 10	---	---
Vanadium	ppm	<1	2	---	---



ADDITIVES

Calcium	ppm	■ 2361	■ 2587	---	---
Magnesium	ppm	■ 35	■ 113	---	---
Zinc	ppm	■ 1035	■ 1089	---	---
Phosphorus	ppm	■ 852	■ 936	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 16	■ 45	---	---

Depot: JOHELK
Unique No: 10574662
Signed: Sean Felton
Report Date: 28 Jul 2023



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VOLVO GRAPHS

