



CONSTRUCTION EQUIPMENT

SPM503305 KOMATSU PC490LC A41339 - SWING DRIVE



Sample No: VCP383270

Oil Type: TDTO FLUID SAE 50

Job No: SPM503305



SAMPLE INFORMATION

Sample Number	VCP383270	---	---	---
Sample Date	30 Mar 2023	---	---	---
Machine Hours	4320	---	---	---
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	▲ 93.7	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 107	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 5	---	---	---



WEAR METALS

Iron	ppm	■ 167	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 12	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 4242	---	---	---
Magnesium	ppm	■ 31	---	---	---
Zinc	ppm	■ 1102	---	---	---
Phosphorus	ppm	■ 903	---	---	---
Barium	ppm	■ 3	---	---	---
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: 10441514

Signed: Don Baldrige

Report Date: 26 Apr 2023



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VOLVO GRAPHS

