



CONSTRUCTION EQUIPMENT

SPM503305 KOMATSU PC490LC A41339 - LEFT FINAL DRIVE



Sample No: VCP383164
Oil Type: TDTO FLUID SAE 30
Job No: SPM503305



SAMPLE INFORMATION

Sample Number	VCP383164	VCP320098	---	---
Sample Date	30 Mar 2023	01 Sep 2021	---	---
Machine Hours	4320	3027	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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	99.1	95.1	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 233	34	---	---
Sodium	ppm	6	<1	---	---
Potassium	ppm	26	<1	---	---



WEAR METALS

Iron	ppm	414	104	---	---
Copper	ppm	4	4	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	▲ 47	5	---	---
Chromium	ppm	6	2	---	---
Molybdenum	ppm	4	2	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	3	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	5	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	2291	4372	---	---
Magnesium	ppm	85	18	---	---
Zinc	ppm	1178	1037	---	---
Phosphorus	ppm	991	872	---	---
Barium	ppm	0	0	---	---
Boron	ppm	4	12	---	---

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 condition of the oil is acceptable for the time in service.

Depot: JOHELK
Unique No: 10441560
Signed: Doug Bogart
Report Date: 26 Apr 2023



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GRAPHS

