



# CONSTRUCTION EQUIPMENT

## SPM595559 KOMATSU D39 3729 - LEFT FINAL DRIVE



**Sample No:** VCP413964  
**Oil Type:** TDTO FLUID SAE 30  
**Job No:** SPM595559



### SAMPLE INFORMATION

Sample Number	VCP413964	---	---	---
Sample Date	28 Aug 2023	---	---	---
Machine Hours	1034	---	---	---
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	■ 96.2	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 36	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 6	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	■ 434	---	---	---
Copper	ppm	▲ 141	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ 5	---	---	---
Molybdenum	ppm	■ 20	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 31	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 8	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	■ 3522	---	---	---
Magnesium	ppm	■ 22	---	---	---
Zinc	ppm	■ 755	---	---	---
Phosphorus	ppm	■ 626	---	---	---
Barium	ppm	■ 50	---	---	---
Boron	ppm	■ 4	---	---	---

**Depot:** JOHELK  
**Unique No:** 10634534  
**Signed:** Don Baldrige  
**Report Date:** 08 Sep 2023



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## GRAPHS

