



# CONSTRUCTION EQUIPMENT

## SPM595208 CATERPILLAR D8T KPZO1336 - TRANSMISSION (MANUAL)



**Sample No:** VCP406122  
**Oil Type:** TDTO FLUID SAE 30  
**Job No:** SPM595208



### SAMPLE INFORMATION

Sample Number	<b>VCP406122</b>	VCP422842	VCP400811	---
Sample Date	<b>25 Aug 2023</b>	10 Jul 2023	21 Feb 2023	---
Machine Hours	<b>9433</b>	8558	7449	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>89.0</b>	86.5	88.6	---
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### CONTAMINATION

Silicon	ppm	<b>6</b>	6	7	---
Sodium	ppm	<b>0</b>	<1	1	---
Potassium	ppm	<b>1</b>	0	0	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>21</b>	12	12	---
Copper	ppm	<b>2</b>	<1	<1	---
Lead	ppm	<b>&lt;1</b>	0	<1	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>1</b>	1	<1	---
Chromium	ppm	<b>&lt;1</b>	0	0	---
Molybdenum	ppm	<b>24</b>	24	2	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	0	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>2364</b>	2572	2910	---
Magnesium	ppm	<b>250</b>	95	35	---
Zinc	ppm	<b>1118</b>	1124	1266	---
Phosphorus	ppm	<b>950</b>	912	994	---
Barium	ppm	<b>2</b>	0	0	---
Boron	ppm	<b>53</b>	150	4	---

**Depot:** VOLVO8885  
**Unique No:** 10633296  
**Signed:** Don Baldrige  
**Report Date:** 07 Sep 2023



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## GRAPHS

