



# CONSTRUCTION EQUIPMENT

## SPM674733 CATERPILLAR D8T KPZO 1336 - RIGHT FINAL DRIVE



**Sample No:** VCP430163  
**Oil Type:** TDTO FLUID SAE 50  
**Job No:** SPM674733



### SAMPLE INFORMATION

Sample Number	<b>VCP430163</b>	VCP420661	---	---
Sample Date	<b>12 Apr 2024</b>	25 Aug 2023	---	---
Machine Hours	<b>11275</b>	9433	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>173</b>	178	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>46</b>	47	---	---
Sodium	ppm	<b>4</b>	2	---	---
Potassium	ppm	<b>2</b>	2	---	---

### 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>114</b>	109	---	---
Copper	ppm	<b>2</b>	<1	---	---
Lead	ppm	<b>&lt;1</b>	<1	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>5</b>	6	---	---
Chromium	ppm	<b>2</b>	2	---	---
Molybdenum	ppm	<b>3</b>	3	---	---
Nickel	ppm	<b>0</b>	<1	---	---
Titanium	ppm	<b>&lt;1</b>	1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>2</b>	2	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>2819</b>	3108	---	---
Magnesium	ppm	<b>44</b>	35	---	---
Zinc	ppm	<b>1208</b>	1283	---	---
Phosphorus	ppm	<b>1051</b>	1037	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>8</b>	4	---	---

**Depot:** VOLVO8885  
**Unique No:** 10990251  
**Signed:** Don Baldrige  
**Report Date:** 23 Apr 2024



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## GRAPHS

