



# CONSTRUCTION EQUIPMENT

SPM688446 SCORIA HITACHI ZW250-6 ZW2506-005232 - REAR DIFFERENTIAL



**Sample No:** VCP418809  
**Oil Type:** TDTO FLUID SAE 50  
**Job No:** SPM688446 SCORIA



## SAMPLE INFORMATION

Sample Number	<b>VCP418809</b>	VCP364843	VCP404883	---
Sample Date	<b>21 Mar 2024</b>	20 Jun 2023	28 Mar 2023	---
Machine Hours	<b>5641</b>	4504	3973	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>209</b>	135	37.5	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>23</b>	9	4	---
Sodium	ppm	<b>2</b>	2	12	---
Potassium	ppm	<b>0</b>	0	<1	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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	<b>6</b>	142	21	---
Copper	ppm	<b>1</b>	1	3	---
Lead	ppm	<b>0</b>	<1	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>0</b>	<1	1	---
Chromium	ppm	<b>0</b>	2	0	---
Molybdenum	ppm	<b>&lt;1</b>	<1	1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	3	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>2248</b>	3374	3159	---
Magnesium	ppm	<b>40</b>	18	23	---
Zinc	ppm	<b>990</b>	1365	1151	---
Phosphorus	ppm	<b>859</b>	1365	953	---
Barium	ppm	<b>0</b>	2	0	---
Boron	ppm	<b>5</b>	<1	1	---

**Depot:** VOLVO8885  
**Unique No:** 10990276  
**Signed:** Don Baldrige  
**Report Date:** 23 Apr 2024



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## GRAPHS

