



# CONSTRUCTION EQUIPMENT

SWA477490 MELDGAARD VOLVO EC350EL 3 14186 - SWING DRIVE



**Sample No:** VCP431563  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWA477490 MELDGAARD



## SAMPLE INFORMATION

Sample Number	<b>VCP431563</b>	VCP404559	VCP329333	---
Sample Date	<b>09 Feb 2024</b>	28 Mar 2023	14 Sep 2021	---
Machine Hours	<b>2035</b>	984	455	---
Oil Hours	<b>0</b>	0	1500	---
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>178</b>	176	182	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>5</b>	11	10	---
Sodium	ppm	<b>2</b>	1	2	---
Potassium	ppm	<b>1</b>	2	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 oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>241</b>	270	223	---
Copper	ppm	<b>18</b>	56	54	---
Lead	ppm	<b>&lt;1</b>	0	<1	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>2</b>	4	3	---
Chromium	ppm	<b>2</b>	4	3	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>3</b>	7	5	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>44</b>	38	53	---
Magnesium	ppm	<b>4</b>	4	1	---
Zinc	ppm	<b>146</b>	73	59	---
Phosphorus	ppm	<b>1046</b>	343	284	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>65</b>	1	4	---

**Depot:** VOLVO0095  
**Unique No:** 10900216  
**Signed:** Wes Davis  
**Report Date:** 28 Feb 2024



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## GRAPHS

