



# CONSTRUCTION EQUIPMENT

A11691 VOLVO ECR235E 311744 - SWING DRIVE



**Sample No:** VCP430915  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** A11691



## SAMPLE INFORMATION

Sample Number	<b>VCP430915</b>	VCP400275	VCP373482	VCP307581
Sample Date	<b>15 Dec 2023</b>	09 Dec 2022	07 Jul 2022	19 Jul 2021
Machine Hours	<b>4195</b>	3633	3115	1975
Oil Hours	<b>1000</b>	1088	0	975
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>286</b>	285	303	219
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	4	3	7
Sodium	ppm	<b>0</b>	0	<1	0
Potassium	ppm	<b>0</b>	1	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 oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>53</b>	54	18	94
Copper	ppm	<b>8</b>	8	4	12
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	1
Molybdenum	ppm	<b>0</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	<1	<1	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	2
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>40</b>	44	50	17
Magnesium	ppm	<b>0</b>	3	2	2
Zinc	ppm	<b>14</b>	26	37	17
Phosphorus	ppm	<b>938</b>	1078	782	897
Barium	ppm	<b>0</b>	0	<1	<1
Boron	ppm	<b>182</b>	182	147	220

**Depot:** JAAPHI  
**Unique No:** 10796063  
**Signed:** Jonathan Hester  
**Report Date:** 22 Dec 2023



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## VOLVO GRAPHS

