



# CONSTRUCTION EQUIPMENT

## A10652 VOLVO EC160E 3 10440 - SWING DRIVE



**Sample No:** VCP411865  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** A10652



### SAMPLE INFORMATION

Sample Number	<b>VCP411865</b>	VCP384836	VCP264140	VCP250218
Sample Date	<b>07 Jul 2023</b>	27 Jan 2023	27 Feb 2020	19 Jul 2019
Machine Hours	<b>3200</b>	2090	900	575
Oil Hours	<b>1000</b>	1000	500	575
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>307</b>	319	275	182
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### CONTAMINATION

Silicon	ppm	<b>6</b>	<1	7	16
Sodium	ppm	<b>0</b>	0	<1	0
Potassium	ppm	<b>&lt;1</b>	<1	2	4

### 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. Confirm oil type. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>74</b>	2	99	234
Copper	ppm	<b>5</b>	0	6	28
Lead	ppm	<b>0</b>	<1	0	3
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	<1	1	2
Chromium	ppm	<b>&lt;1</b>	0	1	3
Molybdenum	ppm	<b>&lt;1</b>	<1	4	0
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	0	1	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>55</b>	32	60	21
Magnesium	ppm	<b>7</b>	8	13	0
Zinc	ppm	<b>21</b>	22	35	21
Phosphorus	ppm	<b>1017</b>	664	778	411
Barium	ppm	<b>0</b>	0	<1	<1
Boron	ppm	<b>171</b>	10	125	0

**Depot:** KCCIVY  
**Unique No:** 10560371  
**Signed:** Don Baldrige  
**Report Date:** 17 Jul 2023



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## GRAPHS

