



# CONSTRUCTION EQUIPMENT

## VOLVO EC480EL 311198 - RIGHT SWING DRIVE



**Sample No:** VCP0007894  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007894</b>	VCP315554	VCP310312	VCP291323
Sample Date	<b>24 Apr 2024</b>	20 Nov 2021	22 Apr 2021	14 Oct 2020
Machine Hours	<b>0</b>	4351	3018	1970
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>168</b>	316	299	174
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	44	2	25
Sodium	ppm	<b>0</b>	0	<1	2
Potassium	ppm	<b>2</b>	0	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>226</b>	100	196	▲ 2016
Copper	ppm	<b>11</b>	<1	5	42
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>2</b>	6	<1	<1
Chromium	ppm	<b>4</b>	<1	2	20
Molybdenum	ppm	<b>&lt;1</b>	5	1	4
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>5</b>	<1	2	19
Vanadium	ppm	<b>&lt;1</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>9</b>	64	56	56
Magnesium	ppm	<b>1</b>	21	11	19
Zinc	ppm	<b>33</b>	46	56	86
Phosphorus	ppm	<b>325</b>	920	759	420
Barium	ppm	<b>6</b>	0	0	0
Boron	ppm	<b>3</b>	146	115	6

**Depot:** VOLVO0092  
**Unique No:** 11002530  
**Signed:** Don Baldrige  
**Report Date:** 29 Apr 2024



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## GRAPHS

