



# CONSTRUCTION EQUIPMENT

## VOLVO EC480EL 311198 - REAR LEFT FINAL DRIVE



**Sample No:** VCP0007895  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007895</b>	VCP315559	VCP310314	VCP254029
Sample Date	<b>24 Apr 2024</b>	20 Nov 2021	22 Apr 2021	10 Jul 2019
Machine Hours	<b>0</b>	4351	3018	481
Oil Hours	<b>0</b>	0	0	481
Oil Changed	<b>N/A</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	SEVERE	NORMAL	ATTENTION

**ALTA EQUIPMENT COMPANY**  
 8750 PHILIPS HWY  
 JACKSONVILLE, FL  
 US 32256  
 Contact: SHAWN NORTHCRAFT  
 shawn.northcraft@altg.com  
 T: (904)737-6000  
 F: (904)737-1260



### OIL CONDITION

Visc @ 40°C	cSt	<b>290</b>	709	249	164
-------------	-----	------------	-----	-----	-----



### CONTAMINATION

Water	%	<b>NEG</b>	▲ 12.1	NEG	NEG
Silicon	ppm	<b>28</b>	▲ 1788	196	15
Sodium	ppm	<b>0</b>	0	<1	9
Potassium	ppm	<b>2</b>	3	0	8

### 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>27</b>	▲ 5155	1806	318
Copper	ppm	<b>&lt;1</b>	11	4	<1
Lead	ppm	<b>&lt;1</b>	6	1	0
Tin	ppm	<b>&lt;1</b>	8	0	0
Aluminum	ppm	<b>2</b>	● 211	12	0
Chromium	ppm	<b>1</b>	▲ 45	20	3
Molybdenum	ppm	<b>2</b>	9	0	0
Nickel	ppm	<b>&lt;1</b>	4	1	0
Titanium	ppm	<b>&lt;1</b>	12	2	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	34	14	6
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>204</b>	173	71	0
Magnesium	ppm	<b>13</b>	25	14	0
Zinc	ppm	<b>96</b>	124	62	9
Phosphorus	ppm	<b>1017</b>	755	723	463
Barium	ppm	<b>1</b>	0	0	0
Boron	ppm	<b>211</b>	65	92	5

**Depot:** VOLVO0092  
**Unique No:** 11002527  
**Signed:** Wes Davis  
**Report Date:** 28 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

