



# CONSTRUCTION EQUIPMENT

8-360953 VOLVO EC480E 310415 - DIESEL ENGINE



**Sample No:** VCP392090  
**Oil Type:** DIESEL ENGINE OIL SAE 30  
**Job No:** 8-360953



## SAMPLE INFORMATION

Sample Number	<b>VCP392090</b>	VCP380901	VCP347313	VCP333596
Sample Date	<b>06 Apr 2023</b>	14 Dec 2022	17 Aug 2022	07 Apr 2022
Machine Hours	<b>6488</b>	6005	5516	4983
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### GERDAU AMERISTEEL

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## OIL CONDITION

Visc @ 100°C	cSt	<b>12.4</b>	12.6	12.4	12.6
Oxidation (PA)	%	<b>86</b>	89	87	61



## CONTAMINATION

Soot %	%	<b>0</b>	0	0	0
Nitration (PA)	%	<b>72</b>	74	70	57
Sulfation (PA)	%	<b>69</b>	66	63	56
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>5</b>	4	5	6
Sodium	ppm	<b>2</b>	2	2	2
Potassium	ppm	<b>&lt;1</b>	<1	<1	<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>12</b>	12	32	6
Copper	ppm	<b>&lt;1</b>	<1	<1	1
Lead	ppm	<b>1</b>	1	1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>2</b>	2	2	2
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>40</b>	41	40	39
Nickel	ppm	<b>4</b>	1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1799</b>	1702	1685	1517
Magnesium	ppm	<b>509</b>	497	505	506
Zinc	ppm	<b>1091</b>	1037	1091	1058
Phosphorus	ppm	<b>1027</b>	967	926	934
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>35</b>	25	27	43

**Depot:** LAKWHI  
**Unique No:** 555641  
**Signed:** Wes Davis  
**Report Date:** 11 Apr 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

