



# CONSTRUCTION EQUIPMENT

SCOTT KREMER VOLVO EC210CL 111140 - DIESEL ENGINE



**Sample No:** VCP417792  
**Oil Type:** {unknown}  
**Job No:** SCOTT KREMER



## SAMPLE INFORMATION

Sample Number	<b>VCP417792</b>	VCP138036	VCP153559	VCP124299
Sample Date	<b>06 Sep 2023</b>	02 Sep 2014	27 Aug 2013	17 Dec 2012
Machine Hours	<b>11599</b>	5574	4817	4291
Oil Hours	<b>150</b>	0	500	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SCOTT KRENZER**  
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## OIL CONDITION

Visc @ 100°C	cSt	<b>14.1</b>	15.3	14.2	15.23
Base Number (BN)	mg KOH/g	<b>9.0</b>	---	---	---
Oxidation (PA)	%	<b>51</b>	36	36	56

## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.4</b>	0.2	0	0.4
Nitration (PA)	%	<b>53</b>	42	33	67
Sulfation (PA)	%	<b>50</b>	42	39	53
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	5	3	6
Sodium	ppm	<b>2</b>	8	4	6
Potassium	ppm	<b>4</b>	2	<1	<1

## Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

## WEAR METALS

Iron	ppm	<b>10</b>	18	5	12
Copper	ppm	<b>&lt;1</b>	2	<1	1
Lead	ppm	<b>&lt;1</b>	1	<1	0
Tin	ppm	<b>1</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	2	2	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>56</b>	40	4	45
Nickel	ppm	<b>&lt;1</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0

## ADDITIVES

Calcium	ppm	<b>1285</b>	1514	2036	1558
Magnesium	ppm	<b>917</b>	718	62	813
Zinc	ppm	<b>1270</b>	1014	1043	1104
Phosphorus	ppm	<b>1037</b>	857	855	964
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>6</b>	23	37	32

**Depot:** SCOSCONY  
**Unique No:** 10647850  
**Signed:** Wes Davis  
**Report Date:** 18 Sep 2023



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## VOLVO GRAPHS

