



# CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY/500 HOUR CSA 19208

VOLVO EC250E 2012 (S/N 310483) - REAR LEFT FINAL D



**Sample No:** VCP414139  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 19208



## SAMPLE INFORMATION

Sample Number	<b>VCP414139</b>	ASC0000399	VCP0006129	VCP0002046
Sample Date	<b>19 Jul 2023</b>	26 Apr 2023	16 Jan 2023	30 Aug 2022
Machine Hours	<b>3633</b>	5502	5016	4523
Oil Hours	<b>0</b>	486	493	521
Oil Changed	<b>Not Changed</b>	Changed	Changed	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	SEVERE

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## OIL CONDITION

Visc @ 40°C	cSt	<b>143</b>	307	237	69.01
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## CONTAMINATION

Silicon	ppm	<b>2</b>	56	140	440
Sodium	ppm	<b>2</b>	1	1	5
Potassium	ppm	<b>&lt;1</b>	<1	5	18



## WEAR METALS

Iron	ppm	<b>31</b>	340	716	1677
Copper	ppm	<b>10</b>	<1	<1	2
Lead	ppm	<b>134</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	17	53	180
Chromium	ppm	<b>&lt;1</b>	2	6	14
Molybdenum	ppm	<b>7</b>	<1	1	2
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	1	2	7
Silver	ppm	<b>0</b>	0	4	<1
Manganese	ppm	<b>&lt;1</b>	3	6	13
Vanadium	ppm	<b>0</b>	0	<1	<1



## ADDITIVES

Calcium	ppm	<b>132</b>	15	20	31
Magnesium	ppm	<b>4</b>	2	4	6
Zinc	ppm	<b>49</b>	4	14	18
Phosphorus	ppm	<b>1074</b>	1011	1216	2004
Barium	ppm	<b>0</b>	0	1	2
Boron	ppm	<b>114</b>	211	190	184

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The lead level is abnormal. All other 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.

**Depot:** TRIBUR  
**Unique No:** 10587606  
**Signed:** Doug Bogart  
**Report Date:** 06 Aug 2023



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## VOLVO GRAPHS

