



# CONSTRUCTION EQUIPMENT

## W02007704 VOLVO EC460C 110134 - REAR LEFT FINAL DRIVE



**Sample No:** VCP426056  
**Oil Type:** MOBIL MOBILUBE HD 85W140  
**Job No:** W02007704



### SAMPLE INFORMATION

Sample Number	<b>VCP426056</b>	VCP198220	---	---
Sample Date	<b>06 Nov 2023</b>	19 Aug 2016	---	---
Machine Hours	<b>18738</b>	8366	---	---
Oil Hours	<b>0</b>	2000	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>SEVERE</b>	ABNORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>171</b>	157.9	---	---
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### CONTAMINATION

Silicon	ppm	<b>571</b>	120	---	---
Sodium	ppm	<b>24</b>	5	---	---
Potassium	ppm	<b>20</b>	8	---	---



### WEAR METALS

Iron	ppm	<b>999</b>	321	---	---
Copper	ppm	<b>76</b>	41	---	---
Lead	ppm	<b>0</b>	<1	---	---
Tin	ppm	<b>7</b>	9	---	---
Aluminum	ppm	<b>156</b>	34	---	---
Chromium	ppm	<b>9</b>	3	---	---
Molybdenum	ppm	<b>0</b>	0	---	---
Nickel	ppm	<b>5</b>	1	---	---
Titanium	ppm	<b>12</b>	2	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>10</b>	4	---	---
Vanadium	ppm	<b>&lt;1</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>210</b>	22	---	---
Magnesium	ppm	<b>67</b>	6	---	---
Zinc	ppm	<b>52</b>	22	---	---
Phosphorus	ppm	<b>517</b>	784	---	---
Barium	ppm	<b>2</b>	0	---	---
Boron	ppm	<b>27</b>	48	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO0002  
**Unique No:** 10736955  
**Signed:** Sean Felton  
**Report Date:** 13 Nov 2023



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## VOLVO GRAPHS

